



Eric VanDussen <ericvandussen@gmail.com>

FOIA re: MSP blood testing unable to distinguish between THC and CBD

Eric VanDussen <ericvandussen@gmail.com>

Fri, Aug 26, 2022 at 7:18 AM

To: MSPRecords@michigan.gov, FrenchG@michigan.gov, GasperJ@michigan.gov, NyeJV@michigan.gov

Bcc: [REDACTED]

To the Michigan State Police's Freedom of Information Act (FOIA) Coordinator, MSP Colonel Joseph Gasper, MSP Toxicology Unit Supervisor Goeff French and MSP Forensic Science Division Commander Jeff Nye:

I am hereby requesting, under the authority of Michigan's Freedom of Information Act (FOIA), digital files or scanned copies of the following public records, which were prepared, owned, used, in the possession of, or retained by the Michigan State Police (MSP):

1. All public records, writings, emails that were sent/received/forwarded, text messages, encrypted chat messages, photographs, test results, audio and video recordings and any other information or data related in any way to the circumstances and events that led MSP to inform the Prosecuting Attorneys Association of Michigan (PAAM) that the MSP toxicology blood screening/testing method for calculating marijuana/THC levels is unable to distinguish between THC and CBD.
2. All public records, writings, emails that were sent/received/forwarded, text messages, encrypted chat messages, photographs, test results, audio and video recordings and any other information or data related in any way to any alerts, notifications or communications provided by MSP to PAAM or any other persons regarding MSP's toxicology blood screening/testing method for calculating marijuana/THC levels being unable to distinguish between THC and CBD.
3. All public records, writings, emails that were sent/received/forwarded, text messages and encrypted chat messages that were sent to MSP by any PAAM member or any other persons regarding MSP's toxicology blood screening/testing method for calculating marijuana/THC levels being unable to distinguish between THC and CBD.
4. A subscription to all future issuances of public records that are created, issued, disseminated or received by MSP regarding MSP's toxicology blood screening/testing method for calculating marijuana/THC levels being unable to distinguish between THC and CBD.

I am also requesting that all written responses, communications, public records and writings related to this FOIA request be provided in digital or scanned format and emailed to me at: ericvandussen@gmail.com.

I'd appreciate it if you would reply to this email to confirm receipt of this FOIA request.

Lastly, I would ask that you expedite this request and waive all fees associated with producing the above requested records because searching for and furnishing copies of these newsworthy public records should be considered as primarily benefiting the general public.

Thanks.

Eric L. VanDussen
Videographer & Freelance Journalist
(231) 651-9189
<https://muckrack.com/eric-vandussen>
<http://vimeo.com/user1676477/videos>



STATE OF MICHIGAN
DEPARTMENT OF STATE POLICE
LANSING

GRETCHEN WHITMER
GOVERNOR

COL. JOSEPH M. GASPER
DIRECTOR

9/19/2022

ERIC VAN DUSSEN
MUCKROCK
POST OFFICE BOX 30
BENZONIA, MI 49616

Subject: CR-31256112

Dear ERIC VAN DUSSEN:

The Michigan State Police (MSP) has received your request for public records under the Michigan Freedom of Information Act (FOIA), MCL 15.231 *et seq.*

Your request is granted as to existing, non-exempt records in the possession of the MSP that fall within the scope of your request. To process your request, the MSP estimates a FOIA processing fee of \$581.48 to search for, retrieve, review, examine, and separate exempt material, if any.

If your request was submitted via the Records Request Portal, you may pay the deposit of \$290.74 in the portal by selecting "Request Details" for the request number (CR) indicated in the subject line above. All other requestors can make payment using the online payment center (<http://mistatepolicepmts.state.mi.us/crsearch>). Users of the online payment center will need to provide the request number (CR) listed above to utilize the online payment option. Please note there is a \$2.00 processing fee for online payments.

If you prefer, you can mail a check or money order, made payable to the State of Michigan, to Michigan State Police, Cashiers Unit, P.O. Box 30266, Lansing, Michigan 48909. To ensure proper credit, please enclose a copy of this letter with your payment.

As set forth under section 4(14) of the FOIA, MCL 15.234(14), if a fee appeal has not been filed under section 10a of the FOIA, MCL 15.240a, the MSP must receive the required deposit within 45 days after your statutorily-determined receipt of this notice, which is 11/6/2022, otherwise the FOIA request will be considered abandoned and the MSP will not be required to fulfill the request.

Upon receipt of the deposit, the MSP will complete the processing of your request. You will be notified of the balance due before release of the records, and of the statutory basis for the exemption of any records or portions of records, and of your statutory remedial rights, if applicable. The MSP estimates a processing time of 27 business days after receipt of payment.

Under the FOIA Section 10a you have the right to appeal the fee to the head of this public body.

The MSP's FOIA procedures and guidelines and written public summary can be accessed at www.michigan.gov/msp.

Sincerely,

Records Resource Section



STATE OF MICHIGAN
DEPARTMENT OF STATE POLICE
LANSING

GRETCHEN WHITMER
GOVERNOR

COL. JOSEPH M. GASPER
DIRECTOR

MICHIGAN STATE POLICE
FREEDOM OF INFORMATION ACT
FEE CALCULATION FORM

File Number: 31256112

Requestor Name: ERIC VAN DUSSEN

Estimated Costs

Labor (Search, Locate, Examine)	Cost	Hourly	Total
State Administrative Manager	\$60.08	0.5	\$30.04
Departmental Analyst	\$33.47	1	\$33.47
Senior Policy Executive	\$73.25	0.25	\$18.31
Laboratory Technician	\$26.69	2	\$53.38
Laboratory Scientist Manager	\$41.07	0.5	\$20.54
Labor (Separate/Delete)	Cost	Hourly	Total
Asst. FOIA Coordinator: Paper Records	\$33.47	12.5	\$418.38
Labor (Contractor)	Cost	Hourly	Total
Labor (Duplication)	Cost	ByMinute	Total
Nonpaper Physical Media	Cost	PerUnit	Total
Flash Drive (8GB)	\$5.68	1	\$5.68
Paper Copies	Cost	PerUnit	Total
Indigent Waiver	Cost		Total
Other Fees	Cost	Units	Total
Mailing	Cost	FlatFee	Total
Flat Rate Envelope	\$1.42	1	\$1.42
Media Mailing	\$0.26	1	\$0.26
Adjustment	Cost	FlatFee	Total
Estimated Total:			\$581.48
50% Deposit:			\$290.74
Applied Payments:			\$0.00
Total Balance Due:			\$290.74

As set forth under section 4(14) of the FOIA, if a fee appeal has not been filed under section 10a of the FOIA, the MSP must receive the required deposit within 45 days after your statutorily-determined receipt of this notice, which is indicated in the written notice, otherwise the FOIA request will be considered abandoned and the MSP will not be required to fulfill the request.

*Costs include hourly wage and an additional 50% to partially cover the cost of fringe benefits.

**Actual cost does not exceed 6x the state minimum hourly wage.

***Must provide proof of indigence.

****Once payment is received, the MSP will process your request.



STATE OF MICHIGAN
DEPARTMENT OF STATE POLICE
LANSING

GRETCHEN WHITMER
GOVERNOR

COL. JOSEPH M. GASPER
DIRECTOR

11/9/2022

ERIC VAN DUSSEN
MUCKROCK
POST OFFICE BOX 30
BENZONIA, MI 49616

Subject: CR-31256112

Dear ERIC VAN DUSSEN:

The Michigan State Police (MSP) has received your request for public records under the Michigan Freedom of Information Act (FOIA), MCL 15.231 *et seq.*

Your request is granted in part and denied in part. Portions of your request are exempt from disclosure based on provisions set forth in the FOIA. Please see the comments on the next page. Under the FOIA, Section 10, you have the right to appeal to the head of this public body or to a judicial review of the denial. You have a right to receive attorney's fees and damages as provided in section 10, if after judicial review, the court determines the MSP has not complied with the FOIA and orders disclosure of all or a portion of a public record. The documents you requested are provided. Under the FOIA, Section 10a, you have the right to appeal the fee to the head of this public body.

For requests that were granted or granted in part and for which a balance is owed:

If your request was submitted via the Records Request Portal, you can make payment in the portal by selecting "Request Details" for the request number (CR) indicated in the subject line above. All other requestors can make payment using the online payment center (<http://mistatepolicepmts.state.mi.us/crsearch>). You will need to provide the request number (CR) listed above. Please note there is a \$2.00 processing fee for online payments.

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Sincerely,

Renee Hultberg
Records Resource Section



STATE OF MICHIGAN
DEPARTMENT OF STATE POLICE
LANSING

GRETCHEN WHITMER
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COL. JOSEPH M. GASPER
DIRECTOR

Denial of Records:

Denial is based on the following provision(s) of the Freedom of Information Act, MCL 15.243, Sec. 13(1). Exemptions that apply are displayed below.

(a) Information of a personal nature where the public disclosure of the information would constitute a clearly unwarranted invasion of an individual's privacy:

- name(s)
- other
- telephone number(s)
- user names and email address

(d) Records or information specifically described and exempted from disclosure by statute:

- Other statute
- U.S. Code: Title 17 Copyright

(z) Information that if disclosed could result in an individual becoming a victim of a cyber incident or disclosing cybersecurity plans or practices.

Additional comments: The following records do not exist: photos, audio, and video recordings. For any future information you will need to submit additional FOIA requests. A refund of \$163.92 has been issued.

Wilson, Jennifer (MSP)

From: Hawkins, Christopher (MSP)
Sent: Saturday, August 27, 2022 8:55 AM
To: Nye, Jeffrey V. (MSP)
Subject: Re: Subpoena, Case No. 20-31353-SD-1, 74th District Court, Bay County
Attachments: Goss Subpeona MSP Lab Fillingier 2022-08-25.pdf

Jeff-

Are you able to identify the tox sample associated with this case and advise whether this was a THC only case or a poly drug or THC/alcohol?

On Aug 26, 2022, at 2:10 PM, Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov> wrote:

Sir

Subpoena for next week. We will need direction on this request early next week to provide sufficient time to prepare.

Jeff

From: Fillingier, Nicholas (MSP) <FillingierN@michigan.gov>
Sent: Thursday, August 25, 2022 9:24 PM
To: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>
Subject: Fwd: Subpoena, Case No. 20-31353-SD-1, 74th District Court, Bay County

From: Steve Miller <steve@komornlaw.com>
Sent: Thursday, August 25, 2022 4:33:40 PM
To: Fillingier, Nicholas (MSP) <FillingierN@michigan.gov>
Cc: Michael Komorn <michael@komornlaw.com>; Alyssa McCormick <alyssa@komornlaw.com>; Jennifer St. Amant <jennifer@komornlaw.com>
Subject: Subpoena, Case No. 20-31353-SD-1, 74th District Court, Bay County

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Mr. Fillingier,

I have attached a subpoena for you to appear in the above-listed matter and produce the documentation as listed on the subpoena.

Please let me know that you received this and can attend.

Please contact me directly at [REDACTED] with any questions. You can also contact Attorney Michael Komorn directly at [REDACTED].

Thank you for your anticipated cooperation in this matter.

Sincerely,

Steve Miller
Komorn Law, PLLC
Legal Assistant
[REDACTED]

Wilson, Jennifer (MSP)

From: Nye, Jeffrey V. (MSP)
Sent: Friday, August 26, 2022 2:55 PM
To: Banner, Shanon (MSP); Beatty, Steven (MSP)
Subject: RE: Advisory communication - DRAFT timeline and talking points
Attachments: Timeline (nye).docx

From: Banner, Shanon (MSP) <BannerS@michigan.gov>
Sent: Friday, August 26, 2022 2:07 PM
To: Beatty, Steven (MSP) <BeattyS@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>
Subject: Advisory communication - DRAFT timeline and talking points
Importance: High

Jeff and Steve,

Please review the attached document for accuracy. If changes are required, please make them in tracked changes.

Captain Hawkins will be notifying you that we are not meeting with PAAM today. Instead, we will reconvene as an MSP group. I would like to be able to share this at the 3 p.m. meeting.

Thanks,
Shanon

Shanon Banner
Manager, Public Affairs Section
Michigan State Police

A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY

We're on social media! Find all the ways you can connect with us at www.mi.gov/MSPconnect.

Wilson, Jennifer (MSP)

From: Nye, Jeffrey V. (MSP)
Sent: Friday, August 26, 2022 2:10 PM
To: Hawkins, Christopher (MSP)
Subject: FW: Subpoena, Case No. 20-31353-SD-1, 74th District Court, Bay County
Attachments: Goss Subpeona MSP Lab Fillinger 2022-08-25.pdf

Sir

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Jeff

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Sent: Thursday, August 25, 2022 9:24 PM
To: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>
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To: Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>
Cc: Michael Komorn <michael@komornlaw.com>; Alyssa McCormick <alyssa@komornlaw.com>; Jennifer St. Amant <jennifer@komornlaw.com>
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Please let me know that you received this and can attend.

Please contact me directly at [REDACTED] with any questions. You can also contact Attorney Michael Komorn directly at [REDACTED]

Thank you for your anticipated cooperation in this matter.

Sincerely,

Steve Miller

Komorn Law, PLLC
Legal Assistant



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Importance: High

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Shanon Banner
Manager, Public Affairs Section
Michigan State Police

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Wilson, Jennifer (MSP)

From: Banner, Shanon (MSP)
Sent: Friday, August 26, 2022 1:50 PM
To: Gasper, Joe (MSP); Hawkins, Christopher (MSP); Beatty, Steven (MSP); Brimacombe, Aimee (MSP); McGhee, Nicole (MSP); Nye, Jeffrey V. (MSP); Clark, Beth (MSP); Kelenske, Chris (MSP)
Cc: Banner, Shanon (MSP)
Subject: MLive: Michigan State Police halt blood tests for marijuana over accuracy concerns

Michigan State Police halt blood tests for marijuana over accuracy concerns

- Updated: Aug. 26, 2022, 1:38 p.m. |
- Published: Aug. 26, 2022, 1:00 p.m.

By [Gus Burns](#) | fburns@mlive.com

The Michigan State Police Crime lab on Thursday, Aug. 25, notified prosecutors across the state that there's a problem with marijuana testing in blood.

"The MSP Forensic Science Division is examining a discrepancy discovered earlier this week in THC blood testing results in which the presence of CBD in a blood sample may have led to a positive result for THC," MSP spokesperson Shanon Banner said in an email sent to MLive Friday. "Out of an abundance of caution (MSP) today notified the Prosecuting Attorney's Association of Michigan that we are immediately halting the processing of all THC blood samples as we work to learn more and/or until we can institute another validated method of testing to ensure accuracy."

The toxicology test confuses CBD, which does not induce a high, with THC, the psychoactive compound in marijuana, according to a verbal notice provided to the Prosecuting Attorneys Association of Michigan (PAAM), President and Eaton County Prosecutor Doug Lloyd said.

CBD is not a controlled substance.

"We were alerted by the MSP Crime Lab that there is likely an issue with toxicology screens for blood tests for marijuana results," said an email sent to prosecutors across the state by prosecutors association Executive Director Cheri L. Bruinsma on Thursday. "They very recently learned that the test is unable to distinguish between THC and CBD. They are working to understand the issue and scope of the problem. They expect to have additional information in the next few weeks. In the meantime, if you have a case that relies on a THC toxicology screening, you should not rely on that result."

It's unknown how many pending cases may be impacted by the testing problem, how long the issue has persisted or if it could result in past convictions that relied on marijuana blood testing being overturned.

Lloyd said he asked his assistant prosecutors to place on hold any cases that rely heavily on marijuana blood testing.

Jackson County Prosecutor Jerry Jarzynka sent a memo informing judges and attorneys in his jurisdiction of the problem. "In the meantime, our office will not be able to rely on MSP Crime Lab THC toxicology screening," he wrote.

Wayne County Prosecutor Kym Worthy's Office on Friday also notified attorneys and judges within her jurisdiction. "It is important for everyone that could possibly be affected by this to be informed," she said.

[Michael Komorn](#), a Farmington Hills-based attorney who also specializes in marijuana law and criminal defense, said the issue could call into questions thousands of convictions across the state, depending on how long the problem has continued. He's calling for a full independent investigation into the state police crime lab and the creation of a lab that operates independently from the police force.

Komorn said blood test findings for marijuana are frequently used as a basis to prosecute driving offenses, especially when alcohol isn't detected, including crashes that result in serious injury or death.

"I think that it's time to get a new lab," Komorn said. "Because the procedures and protocols that are being used here, if they're wrong and unscientific and they've been convicting people wrongly because their tests are wrong, I think a criminal investigation should be opened. I think people should be held accountable."

Komorn said there are cases involving prison sentences or jail time for defendants convicted of causing fatal or injury accidents while intoxicated, based heavily on test data that he said is now in question.

State police had not provided any written communication on the testing problem to the prosecutors association, as of Friday morning.

"We would obviously welcome that," Lloyd said. "Something in writing is generally better than something verbal ... I believe that it probably is coming but MSP was trying to do their due diligence to give that information out as soon as they knew it.

"It's always important that we know and are able to trust information that we're using."

Lloyd said Attorney General Dana Nessel's Office was informed about the testing problem. The AG's Office didn't respond to an MLive request for comment.

<https://www.mlive.com/public-interest/2022/08/michigan-state-police-halt-blood-tests-for-marijuana-over-accuracy-concerns.html>

Wilson, Jennifer (MSP)

From: Hawkins, Christopher (MSP)
Sent: Friday, August 26, 2022 11:51 AM
To: Banner, Shanon (MSP)
Cc: Nye, Jeffrey V. (MSP); Beatty, Steven (MSP)
Subject: FW: Email sent to prosecutors

Cheri Bruinsma with PAAM provided Gus Burns with the following statement this morning.

From: KC Steckelberg <kcs@michiganprosecutor.org>
Sent: Friday, August 26, 2022 11:53 AM
To: Hawkins, Christopher (MSP) <HawkinsC1@michigan.gov>
Subject: Email sent to prosecutors

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Good morning,

We were alerted by the MSP Crime Lab that there is likely an issue with toxicology screens for blood tests for marijuana results. They very recently learned that the test is unable to distinguish between THC and CBD. They are working to understand the issue and scope of the problem. They expect to have additional information in the next few weeks. In the meantime, if you have a case that relies on a THC toxicology screening, you should not rely on that result. Please contact the lab if you do and with any questions. The lab will provide additional information as they have it.

Cheri L. Bruinsma

Executive Director

Prosecuting Attorneys Coordinating Council

116 W. Ottawa

Lansing, MI 48913

517-334-6060 ext. 501

KC Steckelberg
Director of Public Affairs
Prosecuting Attorneys Association of Michigan
[REDACTED] -- cell

Wilson, Jennifer (MSP)

From: Nye, Jeffrey V. (MSP)
Sent: Friday, August 26, 2022 11:43 AM
To: Banner, Shanon (MSP); Beatty, Steven (MSP)
Subject: RE: Advisory Communication - Draft - CBD - March 28, 2019
Attachments: THC and CBD draft letter.docx

DRAFT...let me know if you need further.

Jeff

From: Banner, Shanon (MSP) <BannerS@michigan.gov>
Sent: Friday, August 26, 2022 11:38 AM
To: Beatty, Steven (MSP) <BeattyS@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>
Subject: RE: Advisory Communication - Draft - CBD - March 28, 2019

I'll work this into my document. Thank you.

From: Beatty, Steven (MSP) <BeattyS@michigan.gov>
Sent: Friday, August 26, 2022 11:35 AM
To: Banner, Shanon (MSP) <BannerS@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>
Subject: Advisory Communication - Draft - CBD - March 28, 2019

How about something like this which I would anticipate would follow the FSD build-up/background and can presumably be followed by action items:

“Because cannabidiol (CBD) continued to fall under the definition of “marihuana” as found in [MCL 333.7106](#) of the Public Health Code until the March 28, 2019 effective date of [2018 PA 642](#), and because CBD continued to be legally regulated as “marihuana” for all Michigan criminal offenses and prosecutions occurring before that date, the Michigan State Police (MSP) is requesting interested persons assist local prosecuting officials and defense counsel in identifying those convictions or pending charges for Operating with the Presence of a Controlled Substance under [MCL 257.625\(8\)](#) occurring on or after March 28, 2019 where the alleged violation is based solely of the finding of THC or marihuana in the suspect’s blood and there is insufficient evidence of impairment, intoxication, or recent use of marihuana to otherwise support the charged offense.”

Random Notes/Drafts/Links for Future Reference

May 11 2018 –

- [LARA Bulletin](#) – CBD & Industrial Hemp Products = Marihuana
At that time, Michigan law defined marihuana to mean:
 - all parts of the plant Cannabis sativa L., growing or not
 - the seeds of that plant
 - the resin extracted from any part of the plant
 - **every** compound, manufacture, salt, **derivative**, mixture, or preparation of the **plant or its seeds or resin**.
- Following May 2018 LARA announcement that CBD oil = marijuana – Effectively required a medical marijuana (MMMA) card to buy CBD products even if it contained relatively no THC.

- [Michigan to Now Regulate CBD Oil as Marihuana](#) – Detroit News – May 11, 2018

December 2018- 2018 Farm Bill

- [Congressional FDA testimony \(7-25-19\)](#) In December of 2018, the 2018 Farm Bill was signed into law. It removed hemp, defined as cannabis (*Cannabis sativa* L.) and derivatives of cannabis with extremely low concentrations of the psychoactive compound delta-9-tetrahydrocannabinol (THC) (no more than 0.3 percent THC on a dry weight basis), from the definition of marijuana in the Controlled Substances Act (CSA).
- Prior to the enactment of the 2018 Farm Bill, the CSA did not differentiate between marijuana and hemp, and all cannabis (with certain exceptions, e.g. sterilized seeds and mature stalks of the plant) was a Schedule I substance and therefore controlled by the Drug Enforcement Administration (DEA).
- The passage of the 2018 Farm Bill has led to the misperception that all products made from or containing hemp, including those made with CBD, are now legal to sell in interstate commerce. However, per FDA at that time, “any CBD food or purported dietary supplement products in interstate commerce is in violation of the FD&C Act due to the statutory provisions discussed above”. FDA’s biggest concern is the marketing of CBD products that make unsubstantiated therapeutic claims
- This opened the door for states like Michigan to make legislative changes to accommodate the Farm Bill and Industrial hemp.

March 28, 2019 –

- [MCL 333.7106](#) Public Health Code Amended Effective Date of [2018 PA 642](#)
- Per [Analysis](#):
 “[House Bill 6331](#) amends the Public Health Code to change the definition of industrial hemp to read as described above. The bill also amends the definition of “marihuana” for purposes of the Code to expressly exclude all industrial hemp and not, as previously, only industrial hemp that is grown or cultivated for research purposes by MDARD or a college or university.

By including ingestible and topical consumer products with a THC concentration of up to 0.3% in the definition of industrial hemp, and excluding all (not just research) industrial hemp from the definition of “marihuana,” the bill exempts such products as cannabidiol (CBD) oil from being defined and regulated as marijuana under the MMFLA and the Michigan Medical Marihuana Act.”

- [MRA - MDARD Joint Press Release](#) – CBD guidance issued regarding the change ([MRA - Bulletin](#))
- [Michigan Officials Grapple with CBD Oil Regulation](#) – MLIVE – January 16, 2019
- [Michigan’s New Rules Could Make CBD Products Easier to Find](#) – FREEP – March 29, 2019

Steven G. Beatty

Legal Resources and Education
 Transparency and Accountability Division
 Michigan State Police
 P.O. Box 30634
 Lansing, MI 48909
 Cell: [REDACTED]

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"



Wilson, Jennifer (MSP)

From: [REDACTED]
Sent: Friday, August 26, 2022 8:58 AM
To: MSP-Records; French, Geoffrey (MSP); Gasper, Joe (MSP); Nye, Jeffrey V. (MSP)
Subject: FOIA re: MSP blood testing unable to distinguish between THC and CBD

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I am re-submitting this FOIA request and have included my mailing address below. Thanks.

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Lastly, I would ask that you expedite this request and waive all fees associated with producing the above requested records because searching for and furnishing copies of these newsworthy public records should be considered as primarily benefiting the general public.

Thanks.


Videographer & Freelance Journalist

P.O. Box 30

Benzonia, MI 49616


<https://muckrack.com/eric-vandussen>

<http://vimeo.com/user1676477/videos>

Wilson, Jennifer (MSP)

From: [REDACTED] <[REDACTED]>
Sent: Friday, August 26, 2022 7:18 AM
To: MSP-Records; French, Geoffrey (MSP); Gasper, Joe (MSP); Nye, Jeffrey V. (MSP)
Subject: FOIA re: MSP blood testing unable to distinguish between THC and CBD

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

To the Michigan State Police's Freedom of Information Act (FOIA) Coordinator, MSP Colonel Joseph Gasper, MSP Toxicology Unit Supervisor Goeff French and MSP Forensic Science Division Commander Jeff Nye:

I am hereby requesting, under the authority of Michigan's Freedom of Information Act (FOIA), digital files or scanned copies of the following public records, which were prepared, owned, used, in the possession of, or retained by the Michigan State Police (MSP):

1. All public records, writings, emails that were sent/received/forwarded, text messages, encrypted chat messages, photographs, test results, audio and video recordings and any other information or data related in any way to the circumstances and events that led MSP to inform the Prosecuting Attorneys Association of Michigan (PAAM) that the MSP toxicology blood screening/testing method for calculating marijuana/THC levels is unable to distinguish between THC and CBD.
2. All public records, writings, emails that were sent/received/forwarded, text messages, encrypted chat messages, photographs, test results, audio and video recordings and any other information or data related in any way to any alerts, notifications or communications provided by MSP to PAAM or any other persons regarding MSP's toxicology blood screening/testing method for calculating marijuana/THC levels being unable to distinguish between THC and CBD.
3. All public records, writings, emails that were sent/received/forwarded, text messages and encrypted chat messages that were sent to MSP by any PAAM member or any other persons regarding MSP's toxicology blood screening/testing method for calculating marijuana/THC levels being unable to distinguish between THC and CBD.
4. A subscription to all future issuances of public records that are created, issued, disseminated or received by MSP regarding MSP's toxicology blood screening/testing method for calculating marijuana/THC levels being unable to distinguish between THC and CBD.

I am also requesting that all written responses, communications, public records and writings related to this FOIA request be provided in digital or scanned format and emailed to me at: [REDACTED].

I'd appreciate it if you would reply to this email to confirm receipt of this FOIA request.

Lastly, I would ask that you expedite this request and waive all fees associated with producing the above requested records because searching for and furnishing copies of these newsworthy public records should be considered as primarily benefiting the general public.

Thanks.



Videographer & Freelance Journalist



<https://muckrack.com/eric-vandussen>

<http://vimeo.com/user1676477/videos>

Wilson, Jennifer (MSP)

From: Banner, Shanon (MSP)
Sent: Friday, August 26, 2022 2:43 AM
To: Hawkins, Christopher (MSP); Gasper, Joe (MSP); Hinz, Dale (MSP); Brodeur, Joseph (MSP); Pennell, Ryan (MSP); Kelenske, Chris (MSP); Clark, Beth (MSP); Krumm, Michael (MSP); Liebler, Juli (MSP); Nye, Jeffrey V. (MSP); Beatty, Steven (MSP)
Cc: [REDACTED]
Subject: Lab results - media coverage

FYSA -

MSP Halting Testing of THC For Now

MIRS

The Michigan State Police (MSP) confirmed today the Forensic Science Division (FSD) is examining a discrepancy discovered earlier this week in THC blood testing results in which the presence of CBD in a blood sample may have led to a positive result for THC.

Out of an abundance of caution, the MSP/FSD today notified the Prosecuting Attorney's Association of Michigan that it is immediately halting the processing of all THC blood samples as it puts in place another validated method of testing to ensure accuracy.

Jackson County Prosecutor Jerry **JARZYNKA** sent a letter today to the defense bar and judges advising they cannot rely on the Michigan State Police (MSP) crime lab's THC toxicology screening. The letter says MSP is having "an issue" with the toxicology screens for blood tests for marijuana results because the test is "unable to distinguish between" THC and cannabidiol, both chemicals found in marijuana.

Wilson, Jennifer (MSP)

From: Fillinger, Nicholas (MSP)
Sent: Thursday, August 25, 2022 9:24 PM
To: Larrison, Ryan M. (MSP); Nye, Jeffrey V. (MSP); Bowen, John (MSP)
Subject: Fwd: Subpoena, Case No. 20-31353-SD-1, 74th District Court, Bay County
Attachments: Goss Subpeona MSP Lab Fillinger 2022-08-25.pdf

From: Steve Miller <steve@komornlaw.com>
Sent: Thursday, August 25, 2022 4:33:40 PM
To: Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>
Cc: Michael Komorn <michael@komornlaw.com>; Alyssa McCormick <alyssa@komornlaw.com>; Jennifer St. Amant <jennifer@komornlaw.com>
Subject: Subpoena, Case No. 20-31353-SD-1, 74th District Court, Bay County

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Mr. Fillinger,

I have attached a subpoena for you to appear in the above-listed matter and produce the documentation as listed on the subpoena.

Please let me know that you received this and can attend.

Please contact me directly at 734-634-8061 with any questions. You can also contact Attorney Michael Komorn directly at 248-321-5393.

Thank you for your anticipated cooperation in this matter.

Sincerely,

Steve Miller
Komorn Law, PLLC
Legal Assistant
734-634-8061

Wilson, Jennifer (MSP)

From: Nye, Jeffrey V. (MSP)
Sent: Thursday, August 25, 2022 7:43 PM
To: Fillinger, Nicholas (MSP)
Subject: RE: CBD & THC Toxicology results

Thanks, Nick. This is helpful.

Jeff

From: Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>
Sent: Thursday, August 25, 2022 7:41 PM
To: Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>
Subject: Fwd: CBD & THC Toxicology results

From: Reiser, John <JReiser@a2gov.org>
Sent: Thursday, August 25, 2022 12:20:23 PM
To: Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>
Subject: FW: CBD & THC Toxicology results

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From: TSTP@mipaam.com <TSTP@mipaam.com> On Behalf Of Cheri Bruinsma via mipaam.com
Sent: Thursday, August 25, 2022 9:56 AM
To: TSTP@mipaam.com
Subject: [TSTP] FW: CBD & THC Toxicology results

This message was sent from outside of the City of Ann Arbor. Please do not click links, open attachments, or follow directions unless you recognize the source of this email and know the content is safe.

Good morning,

We were alerted by the MSP Crime Lab that there is likely an issue with toxicology screens for blood tests for marijuana results. They very recently learned that the test is unable to distinguish between THC and CBD. They are working to understand the issue and scope of the problem. They expect to have additional information in the next few weeks. In the meantime, if you have a case that relies on a THC toxicology screening, you should not rely on that result. Please contact the lab if you do and with any questions. The lab will provide additional information as they have it.

Cheri L. Bruinsma
Executive Director
Prosecuting Attorneys Coordinating Council

116 W. Ottawa
Lansing, MI 48913
517-334-6060 ext. 501

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Wilson, Jennifer (MSP)

From: Fillinger, Nicholas (MSP)
Sent: Thursday, August 25, 2022 7:41 PM
To: Nye, Jeffrey V. (MSP)
Subject: Fwd: CBD & THC Toxicology results

From: Reiser, John <JReiser@a2gov.org>
Sent: Thursday, August 25, 2022 12:20:23 PM
To: Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>
Subject: FW: CBD & THC Toxicology results

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

From: TSTP@mipaam.com <TSTP@mipaam.com> On Behalf Of Cheri Bruinsma via mipaam.com
Sent: Thursday, August 25, 2022 9:56 AM
To: TSTP@mipaam.com
Subject: [TSTP] FW: CBD & THC Toxicology results

This message was sent from outside of the City of Ann Arbor. Please do not click links, open attachments, or follow directions unless you recognize the source of this email and know the content is safe.

Good morning,

We were alerted by the MSP Crime Lab that there is likely an issue with toxicology screens for blood tests for marijuana results. They very recently learned that the test is unable to distinguish between THC and CBD. They are working to understand the issue and scope of the problem. They expect to have additional information in the next few weeks. In the meantime, if you have a case that relies on a THC toxicology screening, you should not rely on that result. Please contact the lab if you do and with any questions. The lab will provide additional information as they have it.

Cheri L. Bruinsma
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[Your Subscription](#) | [Contact Group Owner](#) | [Unsubscribe](#) [jreiser@a2gov.org]

Wilson, Jennifer (MSP)

From: Banner, Shanon (MSP)
Sent: Thursday, August 25, 2022 2:17 PM
To: Nye, Jeffrey V. (MSP)
Subject: Fwd: MSP THC tox screening

From: Lisa Roose-Church <lisa@mirsnews.com>
Sent: Thursday, August 25, 2022 2:05:12 PM
To: Banner, Shanon (MSP) <BannerS@michigan.gov>
Subject: MSP THC tox screening

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Hi Shanon,

I'm reaching out today because I received a copy of a letter Jackson County's prosecutor sent to the defense bar and judges that said MSP is having trouble with its THC toxicology screening because it cannot distinguish between THC and CBD.

Is this true? How is MSP addressing this?

Lisa

~~~~~

*Lisa Roose-Church  
Judicial Correspondent  
Michigan Information & Research Service Inc.  
910 W. Ottawa Street  
Lansing, MI 48915  
Direct office: 517-999-7438  
Office: 517-482-2125, Ext. 204  
Cell: [REDACTED]  
Email: [lisa@mirsnews.com](mailto:lisa@mirsnews.com)  
Twitter: @LisaRooseChurch*

---

Voted Michigan's  
Best Capitol Coverage **16** years  
Running!

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## Wilson, Jennifer (MSP)

---

**From:** Larrison, Ryan M. (MSP)  
**Sent:** Thursday, August 25, 2022 8:31 AM  
**To:** Daniels, Gary (MSP); Nye, Jeffrey V. (MSP); Bowen, John (MSP); Fillinger, Nicholas (MSP)  
**Subject:** RE: Prosecuting Attorney Notifications  
**Attachments:** CBD-THC Problem.docx

Nick, can you join that meeting?

Gary...I have the write-up I promised you attached.

-----Original Message-----

From: Daniels, Gary (MSP) <DanielsG@michigan.gov>  
Sent: Thursday, August 25, 2022 7:18 AM  
To: Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>; Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>  
Subject: Prosecuting Attorney Notifications

Good morning,

Two scientist in the Toxicology unit have virtual pre-trial meetings/hearings this morning for pending cases. I plan to participate in those meetings; however, I strongly believe the Technical Leader should be present as well due to my limited understanding and technical knowledge of recent issues. I believe the first one is at 8:30 a.m. I also will be in the lab today instead of working remotely.

D/F/Lt. Daniels  
Lansing Laboratory Director

Sent from my iPhone

## Wilson, Jennifer (MSP)

---

**From:** Larrison, Ryan M. (MSP)  
**Sent:** Wednesday, August 24, 2022 1:17 PM  
**To:** Fillinger, Nicholas (MSP)  
**Cc:** Bowen, John (MSP); Nye, Jeffrey V. (MSP)  
**Subject:** RE: article

Yeah, I went in and noticed that and just figured you inverted the acronyms.

---

**From:** Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>  
**Sent:** Wednesday, August 24, 2022 1:14 PM  
**To:** Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>  
**Cc:** Bowen, John (MSP) <BowenJ1@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>  
**Subject:** RE: article

You are welcome.

My original email is backwards, they showed conversion of CBD to THC.

---

**From:** Larrison, Ryan M. (MSP) <[LarrisonR@michigan.gov](mailto:LarrisonR@michigan.gov)>  
**Sent:** Wednesday, August 24, 2022 1:13 PM  
**To:** Fillinger, Nicholas (MSP) <[FillingerN@michigan.gov](mailto:FillingerN@michigan.gov)>  
**Cc:** Bowen, John (MSP) <[BowenJ1@michigan.gov](mailto:BowenJ1@michigan.gov)>; Nye, Jeffrey V. (MSP) <[NyeJ1@michigan.gov](mailto:NyeJ1@michigan.gov)>  
**Subject:** RE: article

Thank you for continuing to fully examine and increase our understanding of this issue Nick.

---

**From:** Fillinger, Nicholas (MSP) <[FillingerN@michigan.gov](mailto:FillingerN@michigan.gov)>  
**Sent:** Wednesday, August 24, 2022 12:52 PM  
**To:** Larrison, Ryan M. (MSP) <[LarrisonR@michigan.gov](mailto:LarrisonR@michigan.gov)>  
**Cc:** Bowen, John (MSP) <[BowenJ1@michigan.gov](mailto:BowenJ1@michigan.gov)>; Nye, Jeffrey V. (MSP) <[NyeJ1@michigan.gov](mailto:NyeJ1@michigan.gov)>  
**Subject:** article

If you take a look at page 3, LAB B used the same derivatizing reagents that we use, and they're conversion of THC to CBD is really high.

I never knew about this article.

Nicholas Fillinger  
Toxicology Technical Leader  
Michigan State Police  
Forensic Science Division  
7320 N Canal Rd  
Lansing, MI 48913  


"A **PROUD** tradition of **SERVICE** through **EXCELLENCE**, **INTEGRITY**, and **COURTESY**"



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## Wilson, Jennifer (MSP)

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**Cc:** Bowen, John (MSP); Nye, Jeffrey V. (MSP)  
**Subject:** RE: article

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**Sent:** Wednesday, August 24, 2022 1:13 PM  
**To:** Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>  
**Cc:** Bowen, John (MSP) <BowenJ1@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>  
**Subject:** RE: article

Thank you for continuing to fully examine and increase our understanding of this issue Nick.

---

**From:** Fillinger, Nicholas (MSP) <[FillingerN@michigan.gov](mailto:FillingerN@michigan.gov)>  
**Sent:** Wednesday, August 24, 2022 12:52 PM  
**To:** Larrison, Ryan M. (MSP) <[LarrisonR@michigan.gov](mailto:LarrisonR@michigan.gov)>  
**Cc:** Bowen, John (MSP) <[BowenJ1@michigan.gov](mailto:BowenJ1@michigan.gov)>; Nye, Jeffrey V. (MSP) <[NyeJ1@michigan.gov](mailto:NyeJ1@michigan.gov)>  
**Subject:** article

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Nicholas Fillinger  
Toxicology Technical Leader  
Michigan State Police  
Forensic Science Division  
7320 N Canal Rd  
Lansing, MI 48913  


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## Wilson, Jennifer (MSP)

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**From:** Larrison, Ryan M. (MSP)  
**Sent:** Wednesday, August 24, 2022 1:13 PM  
**To:** Fillinger, Nicholas (MSP)  
**Cc:** Bowen, John (MSP); Nye, Jeffrey V. (MSP)  
**Subject:** RE: article

Thank you for continuing to fully examine and increase our understanding of this issue Nick.

---

**From:** Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>  
**Sent:** Wednesday, August 24, 2022 12:52 PM  
**To:** Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>  
**Cc:** Bowen, John (MSP) <BowenJ1@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>  
**Subject:** article

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I never knew about this article.

Nicholas Fillinger  
Toxicology Technical Leader  
Michigan State Police  
Forensic Science Division  
7320 N Canal Rd  
Lansing, MI 48913  


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## Wilson, Jennifer (MSP)

---

**From:** Fillinger, Nicholas (MSP)  
**Sent:** Wednesday, August 24, 2022 12:52 PM  
**To:** Larrison, Ryan M. (MSP)  
**Cc:** Bowen, John (MSP); Nye, Jeffrey V. (MSP)  
**Subject:** article  
**Attachments:** 2019- Hart- Cannabinoid Metabolites Pose Analytical Challenges in Urine Drug Testing Laboratories.pdf

If you take a look at page 3, LAB B used the same derivatizing reagents that we use, and they're conversion of THC to CBD is really high.

I never knew about this article.

Nicholas Fillinger  
Toxicology Technical Leader  
Michigan State Police  
Forensic Science Division  
7320 N Canal Rd  
Lansing, MI 48913  
[REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** Fillinger, Nicholas (MSP)  
**Sent:** Wednesday, August 24, 2022 12:28 PM  
**To:** Larrison, Ryan M. (MSP)  
**Cc:** Nye, Jeffrey V. (MSP); Bowen, John (MSP)  
**Subject:** CJ letter draft  
**Attachments:** THC and CBD draft letter.docx

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Afternoon everyone, I hope all is well.

I have a draft letter that I'd like to share with you all. It's very simple, and gets to the point of addressing three things:

- We have identified a problem and we want you to know about it
- You can have confidence that the laboratory is taking steps to ensure all future results are accurate
- If you're a prosecutor, please be aware of how you handle this in court (but stating it in a way that doesn't directly tell them that)

It's a rough draft for a reason, let me know what you think.

Nicholas Fillinger  
Toxicology Technical Leader  
Michigan State Police  
Forensic Science Division  
7320 N Canal Rd  
Lansing, MI 48913  


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## Wilson, Jennifer (MSP)

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Tuesday, September 6, 2022 12:42 PM  
**To:** Wilson, Jennifer (MSP)  
**Subject:** FW: CJ Partner Notification-MSP FSD Toxicology Unit  
**Attachments:** CJ Partner Notification\_08312022JN.pdf

Responsive to FOIA. Written communication with Criminal Justice Partners.

Jeff

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Wednesday, August 31, 2022 9:35 AM  
**To:** Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>  
**Subject:** CJ Partner Notification-MSP FSD Toxicology Unit

Criminal Justice Partners

On August 22, 2022, the MSP Forensic Science Division (FSD) Toxicology Unit suspended temporarily the confirmatory testing of blood and urine samples for tetrahydrocannabinol (THC) due to a concern that cannabidiol (CBD) may be converted to THC during laboratory analysis. Notice of this issue is provided to criminal justice stakeholders in the attached letter that includes more details about the issue and the action steps being taken by the FSD to remedy the matter. I ask that you please share this correspondence with your members.

Jeffrey V. Nye  
Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
CELL: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** jsacks@sado.org  
**Sent:** Friday, September 2, 2022 2:08 PM  
**To:** Denenfeld,Paul; bngiroux@gmail.com; bommarito@forsci.com; gardnerk@oakgov.com; Montgomery, Lori (AG); Nye, Jeffrey V. (MSP); sheltonde@comcast.net; dbiswas@senate.michigan.gov; senjbizon@senate.michigan.gov; Bezotte, Robert; Shelton, Donald  
**Cc:** Luebs, Heather (MSP); Lindholm, A. (on behalf of Chief Justice Bridget McCormack)  
**Subject:** RE: FSSB subcommittee - 9/2/22 meeting  
**Attachments:** CJ Partner Notification\_08312022JN.pdf

**CAUTION: This is an External email. Please send suspicious emails to [abuse@michigan.gov](mailto:abuse@michigan.gov)**

---

**From:** Jonathan Sacks  
**Sent:** Monday, August 29, 2022 1:49 PM  
**To:** Denenfeld,Paul <paul.denenfeld@kentcountymi.gov>; bngiroux@gmail.com; bommarito@forsci.com; gardnerk@oakgov.com; Montgomery, Lori (AG) <MontgomeryL4@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>; sheltonde@comcast.net; dbiswas@senate.michigan.gov; senjbizon@senate.michigan.gov; Bezotte, Robert <robertbezotte@house.mi.gov>; Shelton, Donald <desjd@umich.edu>  
**Cc:** Luebs, Heather (MSP) <LuebsH1@michigan.gov>; Lindholm, A. (on behalf of Chief Justice Bridget McCormack) <LindholmA@courts.mi.gov>  
**Subject:** FSSB subcommittee - 9/2/22 meeting

Hello everyone – For our meeting this Friday, 2 – 3:30, here is my plan:

1. Updates
2. Discussion of NIJ report on Statewide Commissions
3. Work Product review for Full Task Force meeting and any new additions based on NIJ report.

I have attached the agenda, the NIJ report, minutes from 8/19, and our updated outline from our discussion on 8/19, with some areas of discussion in bold.

I look forward to seeing everybody Friday. Thanks, and let me know any questions.

Jonathan

## Microsoft Teams meeting

**Join on your computer or mobile app**

[Click here to join the meeting](#)

**Or call in (audio only)**

+1 872-240-8979,,923786323# United States, Chicago

Phone Conference ID: [REDACTED]

## Wilson, Jennifer (MSP)

---

**From:** Wilson, Jennifer (MSP)  
**Sent:** Friday, September 2, 2022 8:48 AM  
**To:** Nye, Jeffrey V. (MSP); Bowen, John (MSP); Larrison, Ryan M. (MSP); Daniels, Gary (MSP); Gill, Greta (MSP); French, Geoffrey (MSP); Fillinger, Nicholas (MSP)  
**Cc:** Norris, Lindsay (MSP)  
**Subject:** FW: CR 31256112  
**Attachments:** CR 31256112.pdf

**Importance:** High

**Follow Up Flag:** Flag for follow up

**Flag Status:** Flagged

Good morning everyone,

We have received a FOIA request that is requesting the following:

I am re-submitting this FOIA request and have included my mailing address below. Thanks.

To the Michigan State Police's Freedom of Information Act (FOIA) Coordinator, MSP Colonel Joseph Gasper, MSP Toxicology Unit Supervisor Goeff French and MSP Forensic Science Division Commander Jeff Nye:

I am hereby requesting, under the authority of Michigan's Freedom of Information Act(FOIA), digital files or scanned copies of the following public records, which were prepared, owned, used, in the possession of, or retained by the Michigan State Police (MSP):

1. All public records, writings, emails that were sent/received/forwarded, text messages, encrypted chat messages, photographs, test results, audio and video recordings and any other information or data related in any way to the circumstances and events that led MSP to inform the Prosecuting Attorneys Association of Michigan (PAAM) that the MSP toxicology blood screening/testing method for calculating marijuana/THC levels is unable to distinguish between THC and CBD.
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4. A subscription to all future issuances of public records that are created, issued, disseminated or received by MSP regarding MSP's toxicology blood screening/testing method for calculating marijuana/THC levels being unable to distinguish between THC and CBD.

Please note that the majority of this request is for communications between MSP and PAAM, which I assume would probably be held at the Division level. But a decision will need to be made regarding this portion of the request and what documents this would entail since it specifically asks for test results, information or data that led us to inform PAAM of the issue:

..."test results,... and any other information or data related in any way to the circumstances and events that led MSP to inform the Prosecuting Attorneys Association of Michigan (PAAM) that the MSP toxicology blood screening/testing method for calculating marijuana/THC levels is unable to distinguish between THC and CBD"

Please respond to this email chain with all communications regarding this request, documents provided and decisions made regarding what will be provided.

I have requested an extension on this one, and if the documents are numerous we can request a fee half.

Thank you,

Jennifer Wilson  
Assistant Laboratory Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

---

**From:** Norris, Lindsay (MSP) <NorrisL@michigan.gov>  
**Sent:** Thursday, September 1, 2022 4:12 PM  
**To:** Wilson, Jennifer (MSP) <WilsonJ25@michigan.gov>  
**Subject:** CR 31256112  
**Importance:** High

Jennifer,

Please see attached.

Thank you,

Lindsay Norris  
Pronouns: she, her, hers  
Forensic Technician  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
TX: [REDACTED]

"A **PROUD** tradition of **SERVICE** through **EXCELLENCE**, **INTEGRITY**, and **COURTESY**"



Your opinion is very important to us. Please take a few moments to complete a brief survey at the following link: [MSP Forensic Science Division Customer Service Survey](#)

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## Wilson, Jennifer (MSP)

---

**From:** French, Geoffrey (MSP)  
**Sent:** Tuesday, September 6, 2022 9:22 AM  
**To:** Wilson, Jennifer (MSP)  
**Cc:** Nye, Jeffrey V. (MSP); Bowen, John (MSP); Larrison, Ryan M. (MSP); Daniels, Gary (MSP); Gill, Greta (MSP); Fillinger, Nicholas (MSP); Norris, Lindsay (MSP)  
**Subject:** FW: CBD Experiment Data

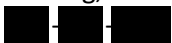
Jennifer,

I asked Sam Kellogg to put all of the experimental data that was run to determine that CBD/carboxy-CBD was interfering with THC/carboxy-THC in a folder on the shared drive. The location of that data is specified in Sam's email below.

Hopefully this is the last piece of information that you need to fulfill the FOIA request. Please let me know if you require any additional information.

Thank you,  
Geoff

Geoffrey French  
Toxicology Unit Supervisor  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913



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---

**From:** Kellogg, Samantha (MSP) <KelloggS1@michigan.gov>  
**Sent:** Tuesday, September 6, 2022 9:04 AM  
**To:** French, Geoffrey (MSP) <FrenchG@michigan.gov>  
**Subject:** CBD Experiment Data

Geoff,

The data from the experiments I ran can be found here: [REDACTED]

The folder from 8-22-22 contains unextracted samples run on 8-22 and extracted samples run on 8-23. The folder from 8-31-22 contains the experiment I was asked to run by Nick to evaluate the conversion rate of CBD and 7-Carboxy-CBD.

We will also need to get the data from the LCMSMS instruments showing a lack of interference on the screen and showing there being no THC contamination in the CBD standard. I will have that data added to the folder shortly.

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** Wilson, Jennifer (MSP)  
**Sent:** Friday, September 2, 2022 9:12 AM  
**To:** Nye, Jeffrey V. (MSP); Bowen, John (MSP); Larrison, Ryan M. (MSP); Daniels, Gary (MSP); Gill, Greta (MSP); French, Geoffrey (MSP); Fillinger, Nicholas (MSP)  
**Cc:** Norris, Lindsay (MSP)  
**Subject:** RE: CR 31256112

Tuesday is fine. I understand that you may have very little. However, since the request specifically asks for data that led to the communications, I suspect the unit may have quite a bit. I have requested an extension so next Friday is fine for everything.

Thanks

Jennifer Wilson  
Assistant Laboratory Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

---

**From:** Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>  
**Sent:** Friday, September 2, 2022 8:58 AM  
**To:** Wilson, Jennifer (MSP) <WilsonJ25@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>; Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>; Daniels, Gary (MSP) <DanielsG@michigan.gov>; Gill, Greta (MSP) <GillG@michigan.gov>; French, Geoffrey (MSP) <FrenchG@michigan.gov>; Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>  
**Cc:** Norris, Lindsay (MSP) <NorrisL@michigan.gov>  
**Subject:** Re: CR 31256112

Would Tuesday be ok? I am on AL today. Additionally, I will have very little...very little.

---

**From:** Wilson, Jennifer (MSP) <[WilsonJ25@michigan.gov](mailto:WilsonJ25@michigan.gov)>  
**Sent:** Friday, September 2, 2022 8:47:34 AM  
**To:** Nye, Jeffrey V. (MSP) <[NyeJ1@michigan.gov](mailto:NyeJ1@michigan.gov)>; Bowen, John (MSP) <[BowenJ1@michigan.gov](mailto:BowenJ1@michigan.gov)>; Larrison, Ryan M. (MSP) <[LarrisonR@michigan.gov](mailto:LarrisonR@michigan.gov)>; Daniels, Gary (MSP) <[DanielsG@michigan.gov](mailto:DanielsG@michigan.gov)>; Gill, Greta (MSP) <[GillG@michigan.gov](mailto:GillG@michigan.gov)>; French, Geoffrey (MSP) <[FrenchG@michigan.gov](mailto:FrenchG@michigan.gov)>; Fillinger, Nicholas (MSP) <[FillingerN@michigan.gov](mailto:FillingerN@michigan.gov)>  
**Cc:** Norris, Lindsay (MSP) <[NorrisL@michigan.gov](mailto:NorrisL@michigan.gov)>  
**Subject:** FW: CR 31256112

Good morning everyone,

We have received a FOIA request that is requesting the following:

I am re-submitting this FOIA request and have included my mailing address below. Thanks.  
To the Michigan State Police's Freedom of Information Act (FOIA) Coordinator, MSP Colonel Joseph Gasper, MSP Toxicology Unit Supervisor Goeff French and MSP Forensic Science Division Commander Jeff Nye:

I am hereby requesting, under the authority of Michigan's Freedom of Information Act(FOIA), digital files or scanned copies of the following public records, which were prepared, owned, used, in the possession of, or retained by the Michigan State Police (MSP):

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Please respond to this email chain with all communications regarding this request, documents provided and decisions made regarding what will be provided.

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Thank you,

Jennifer Wilson  
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Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

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Sent: Thursday, September 1, 2022 4:12 PM

To: Wilson, Jennifer (MSP) <[WilsonJ25@michigan.gov](mailto:WilsonJ25@michigan.gov)>

**Subject:** CR 31256112

**Importance:** High

Jennifer,

Please see attached.

Thank you,

Lindsay Norris

Pronouns: she, her, hers

Forensic Technician

Forensic Science Division

Michigan State Police

7320 N. Canal Road

Lansing, MI 48913

TX: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** Christopher Bommarito <bommarito@forsci.com>  
**Sent:** Friday, September 2, 2022 6:33 PM  
**To:** Donald Shelton  
**Cc:** Bezotte, Robert; Denenfeld,Paul; jsacks@sado.org; Lindholm, A. (on behalf of Chief Justice Bridget McCormack); Luebs, Heather (MSP); Montgomery, Lori (AG); Nye, Jeffrey V. (MSP); bngiroux@gmail.com; dbiswas@senate.michigan.gov; gardnerk@oakgov.com; senjbizon@senate.michigan.gov; [REDACTED]  
**Subject:** Re: FSSB subcommittee - 9/2/22 meeting

**CAUTION: This is an External email. Please send suspicious emails to [abuse@michigan.gov](mailto:abuse@michigan.gov)**

For anyone interested, I believe this is the published study on the THC/CBD issue that Jonathan pointed out at the beginning of the meeting today. This research was just published this summer. The confirmation of the issue within the MSP toxicology unit and remediation in such a short time frame, in the busiest unit in the entire FSD, is an example of good science, done responsibly and ethically. Good job MSP-FSD!

<https://academic.oup.com/jat/article-abstract/46/5/573/6275425?redirectedFrom=fulltext>  
good science

On Fri, Sep 2, 2022 at 12:31 PM Donald Shelton <[desjd@umich.edu](mailto:desjd@umich.edu)> wrote:

In our meeting today, I mentioned the video "Incendiary" in the context of our discussion about where to house a Michigan Forensic Science Commission. This documentary first describes a wrongful conviction case in which a father was convicted of the murder of his two children in a fire, based on bad science testimony from local fire marshals claiming that the cause of the fire was arson committed by the father. The father was eventually executed by the State of Texas. Especially important to our discussion is documentation of the extreme, and successful, actions of the Texas Governor, then Rick Perry, and his legislative followers to prevent and derail the investigation by the Texas Forensic Science Commission into the case in particular and the standards for such forensic science testimony in general. While Texas later revamped the Commission to try to prevent such political interference, the history of the Todd Willingham case I think is a warning about entrusting forensic science evidence issues to the legislature or executive branch.

The video is for rent for \$4.99 at <https://vimeo.com/ondemand/incendiary> I have a copy because I use it in my classes and would be happy to loan it to any of you. Also here is a link to a news report of the case and the Governor's direct interference. <https://swampland.time.com/2011/09/27/the-controversial-willingham-case-what-rick-perry-knew-and-when/>

Don

[Donald E. Shelton, JD, PhD](#)  
Associate Professor, Criminology and Criminal Justice Program  
Director, Justice Reform Project  
[University of Michigan-Dearborn](#)  
Dearborn, Michigan

On Mon, Aug 29, 2022 at 1:49 PM Jonathan Sacks <[JSacks@sado.org](mailto:JSacks@sado.org)> wrote:

Hello everyone – For our meeting this Friday, 2 – 3:30, here is my plan:

1. Updates
2. Discussion of NIJ report on Statewide Commissions
3. Work Product review for Full Task Force meeting and any new additions based on NIJ report.

I have attached the agenda, the NIJ report, minutes from 8/19, and our updated outline from our discussion on 8/19, with some areas of discussion in bold.

I look forward to seeing everybody Friday. Thanks, and let me know any questions.

Jonathan

## Microsoft Teams meeting

**Join on your computer or mobile app**

[Click here to join the meeting](#)

**Or call in (audio only)**

[+1 872-240-8979,,923786323#](tel:+18722408979,923786323#) United States, Chicago

Phone Conference ID: [REDACTED]

--  
Christopher Bommarito  
Forensic Science Consultants  
Forensic Testing Services  
Phone [REDACTED]  
Fax 517-579-4847

## Wilson, Jennifer (MSP)

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**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Friday, September 2, 2022 8:58 AM  
**To:** Wilson, Jennifer (MSP); Bowen, John (MSP); Larrison, Ryan M. (MSP); Daniels, Gary (MSP); Gill, Greta (MSP); French, Geoffrey (MSP); Fillinger, Nicholas (MSP)  
**Cc:** Norris, Lindsay (MSP)  
**Subject:** Re: CR 31256112

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Thank you,

Jennifer Wilson  
Assistant Laboratory Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

---

**From:** Norris, Lindsay (MSP) <NorrisL@michigan.gov>  
**Sent:** Thursday, September 1, 2022 4:12 PM  
**To:** Wilson, Jennifer (MSP) <WilsonJ25@michigan.gov>  
**Subject:** CR 31256112  
**Importance:** High

Jennifer,

Please see attached.

Thank you,

Lindsay Norris  
Pronouns: she, her, hers  
Forensic Technician  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
TX: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Wednesday, August 31, 2022 9:02 AM  
**To:** Larrison, Ryan M. (MSP)  
**Cc:** Bowen, John (MSP)  
**Subject:** Stakeholder notification-08-31-2022  
**Attachments:** CJ Partner Notification\_08312022JN.pdf

Attached for ANAB.

Jeff

Jeffrey V. Nye  
Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
CELL: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Wednesday, August 31, 2022 7:06 AM  
**To:** Strauch, Linda (MSP)  
**Subject:** Final doc  
**Attachments:** CJ stakeholder letter FINAL.docx

**Importance:** High

We have a final document. Could you please put on FSD letterhead and email it back to me? I'm heading into the office shortly. I will be printing the final document from you, signing and then sending it out to stakeholders.

Jeff

Jeffrey V. Nye  
Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
CELL: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Saturday, August 27, 2022 5:50 PM  
**To:** Clark, Beth (MSP); Kelenske, Chris (MSP)  
**Subject:** ADVISORY COMMUNICATION: DRAFT Communication Docs  
**Attachments:** CJ stakeholder letter NYE 08272020.pdf; Official Statement\_082922.pdf

Attached. The last paragraph of the Official Statement will be replaced with the following statement:

*The MSP/FSD remains committed to providing the highest standard of forensic services to the criminal justice community. We have demonstrated this commitment through accreditation to ISO/IEC 17025 International Standards and voluntarily incorporating forensic standards from the National Institute of Standards and Technology (NIST) Organization of Scientific Area Committees (OSAC) into our laboratory management system, among other efforts. MSP/FSD continues to be timely, transparent, and ethical in our response to this emerging technical issue.*

Jeff

Jeffrey V. Nye  
Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
CELL: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Wednesday, August 31, 2022 8:53 AM  
**To:** Banner, Shanon (MSP)  
**Subject:** Final  
**Attachments:** CJ Partner Notification\_08312022JN.pdf

One last final check and then I'll get it emailed to ANAB, followed by our partners.

Jeffrey V. Nye  
Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
CELL: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Monday, August 29, 2022 11:32 AM  
**To:** Hawkins, Christopher (MSP); Jamison, Eric (AG)  
**Subject:** FW: Articles  
**Attachments:** Journal Analytical Tox 2012.pdf; 2019- Hart- Cannabinoid Metabolites Pose Analytical Challenges in Urine Drug Testing Laboratories.pdf

FYI

I have not personally read them, yet.

Jeff

---

**From:** Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>  
**Sent:** Monday, August 29, 2022 11:06 AM  
**To:** Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>  
**Subject:** Articles

Inspector Ryan M. Larrison  
Quality Assurance Manager  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48910  
Office/Cell: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Saturday, August 27, 2022 10:59 AM  
**To:** Banner, Shanon (MSP); Beatty, Steven (MSP)  
**Subject:** RE: Advisory Communication - DRAFT letter to stakeholders  
**Attachments:** CJ stakeholder letter NYE 08272020.docx

Thank you! Attached are my edits. Let me know if you have questions.

Jeff

---

**From:** Banner, Shanon (MSP) <BannerS@michigan.gov>  
**Sent:** Saturday, August 27, 2022 9:19 AM  
**To:** Beatty, Steven (MSP) <BeattyS@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>  
**Subject:** Advisory Communication - DRAFT letter to stakeholders  
**Importance:** High

Good morning Jeff and Steve,

Attached for your review and input is the letter to our criminal justice stakeholders. Please review for accuracy, making any additions or changes in tracked changes. I did take a few liberties to add in some additional information.

Once I receive your feedback and changes, I will use it as I begin to work on the news release.

Thank you,  
Shanon

Shanon Banner  
Manager, Public Affairs Section  
Michigan State Police

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## Wilson, Jennifer (MSP)

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**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Friday, August 26, 2022 2:55 PM  
**To:** Banner, Shanon (MSP); Beatty, Steven (MSP)  
**Subject:** RE: Advisory communication - DRAFT timeline and talking points  
**Attachments:** Timeline (nye).docx

---

**From:** Banner, Shanon (MSP) <BannerS@michigan.gov>  
**Sent:** Friday, August 26, 2022 2:07 PM  
**To:** Beatty, Steven (MSP) <BeattyS@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>  
**Subject:** Advisory communication - DRAFT timeline and talking points  
**Importance:** High

Jeff and Steve,

Please review the attached document for accuracy. If changes are required, please make them in tracked changes.

Captain Hawkins will be notifying you that we are not meeting with PAAM today. Instead, we will reconvene as an MSP group. I would like to be able to share this at the 3 p.m. meeting.

Thanks,  
Shanon

Shanon Banner  
Manager, Public Affairs Section  
Michigan State Police

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## Wilson, Jennifer (MSP)

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Friday, August 26, 2022 11:43 AM  
**To:** Banner, Shanon (MSP); Beatty, Steven (MSP)  
**Subject:** RE: Advisory Communication - Draft - CBD - March 28, 2019  
**Attachments:** THC and CBD draft letter.docx

DRAFT...let me know if you need further.

Jeff

---

**From:** Banner, Shanon (MSP) <BannerS@michigan.gov>  
**Sent:** Friday, August 26, 2022 11:38 AM  
**To:** Beatty, Steven (MSP) <BeattyS@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>  
**Subject:** RE: Advisory Communication - Draft - CBD - March 28, 2019

I'll work this into my document. Thank you.

---

**From:** Beatty, Steven (MSP) <[BeattyS@michigan.gov](mailto:BeattyS@michigan.gov)>  
**Sent:** Friday, August 26, 2022 11:35 AM  
**To:** Banner, Shanon (MSP) <[BannerS@michigan.gov](mailto:BannerS@michigan.gov)>; Nye, Jeffrey V. (MSP) <[NyeJ1@michigan.gov](mailto:NyeJ1@michigan.gov)>  
**Subject:** Advisory Communication - Draft - CBD - March 28, 2019

How about something like this which I would anticipate would follow the FSD build-up/background and can presumably be followed by action items:

“Because cannabidiol (CBD) continued to fall under the definition of “marihuana” as found in [MCL 333.7106](#) of the Public Health Code until the March 28, 2019 effective date of [2018 PA 642](#), and because CBD continued to be legally regulated as “marihuana” for all Michigan criminal offenses and prosecutions occurring before that date, the Michigan State Police (MSP) is requesting interested persons assist local prosecuting officials and defense counsel in identifying those convictions or pending charges for Operating with the Presence of a Controlled Substance under [MCL 257.625\(8\)](#) occurring on or after March 28, 2019 where the alleged violation is based solely of the finding of THC or marihuana in the suspect’s blood and there is insufficient evidence of impairment, intoxication, or recent use of marihuana to otherwise support the charged offense.”

---

Random Notes/Drafts/Links for Future Reference

### May 11 2018 –

- [LARA Bulletin](#) – CBD & Industrial Hemp Products = Marihuana  
At that time, Michigan law defined marihuana to mean:
  - all parts of the plant Cannabis sativa L., growing or not
  - the seeds of that plant
  - the resin extracted from any part of the plant
  - **every** compound, manufacture, salt, **derivative**, mixture, or preparation of the **plant or its seeds or resin**.
- Following May 2018 LARA announcement that CBD oil = marijuana – Effectively required a medical marihuana (MMMA) card to buy CBD products even if it contained relatively no THC.

- [Michigan to Now Regulate CBD Oil as Marihuana](#) – Detroit News – May 11, 2018

#### December 2018- 2018 Farm Bill

- [Congressional FDA testimony \(7-25-19\)](#) In December of 2018, the 2018 Farm Bill was signed into law. It removed hemp, defined as cannabis (*Cannabis sativa* L.) and derivatives of cannabis with extremely low concentrations of the psychoactive compound delta-9-tetrahydrocannabinol (THC) (no more than 0.3 percent THC on a dry weight basis), from the definition of marijuana in the Controlled Substances Act (CSA).
- Prior to the enactment of the 2018 Farm Bill, the CSA did not differentiate between marijuana and hemp, and all cannabis (with certain exceptions, e.g. sterilized seeds and mature stalks of the plant) was a Schedule I substance and therefore controlled by the Drug Enforcement Administration (DEA).
- The passage of the 2018 Farm Bill has led to the misperception that all products made from or containing hemp, including those made with CBD, are now legal to sell in interstate commerce. However, per FDA at that time, “any CBD food or purported dietary supplement products in interstate commerce is in violation of the FD&C Act due to the statutory provisions discussed above”. FDA’s biggest concern is the marketing of CBD products that make unsubstantiated therapeutic claims
- This opened the door for states like Michigan to make legislative changes to accommodate the Farm Bill and Industrial hemp.

#### March 28, 2019 –

- [MCL 333.7106](#) Public Health Code Amended Effective Date of [2018 PA 642](#)
- Per [Analysis](#):  
 “[House Bill 6331](#) amends the Public Health Code to change the definition of industrial hemp to read as described above. The bill also amends the definition of “marihuana” for purposes of the Code to expressly exclude all industrial hemp and not, as previously, only industrial hemp that is grown or cultivated for research purposes by MDARD or a college or university.

By including ingestible and topical consumer products with a THC concentration of up to 0.3% in the definition of industrial hemp, and excluding all (not just research) industrial hemp from the definition of “marihuana,” the bill exempts such products as cannabidiol (CBD) oil from being defined and regulated as marijuana under the MMFLA and the Michigan Medical Marihuana Act.”

- [MRA - MDARD Joint Press Release](#) – CBD guidance issued regarding the change ([MRA - Bulletin](#))
- [Michigan Officials Grapple with CBD Oil Regulation](#) – MLIVE – January 16, 2019
- [Michigan’s New Rules Could Make CBD Products Easier to Find](#) – FREEP – March 29, 2019

#### Steven G. Beatty

Legal Resources and Education  
 Transparency and Accountability Division  
 Michigan State Police  
 P.O. Box 30634  
 Lansing, MI 48909  
 Cell: [REDACTED]

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## **Wilson, Jennifer (MSP)**

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**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Friday, August 26, 2022 2:10 PM  
**To:** Hawkins, Christopher (MSP)  
**Subject:** FW: Subpoena, Case No. 20-31353-SD-1, 74th District Court, Bay County  
**Attachments:** Goss Subpeona MSP Lab Fillinger 2022-08-25.pdf

Sir

Subpoena for next week. We will need direction on this request early next week to provide sufficient time to prepare.

Jeff

---

**From:** Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>  
**Sent:** Thursday, August 25, 2022 9:24 PM  
**To:** Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>  
**Subject:** Fwd: Subpoena, Case No. 20-31353-SD-1, 74th District Court, Bay County

---

**From:** Steve Miller <[steve@komornlaw.com](mailto:steve@komornlaw.com)>  
**Sent:** Thursday, August 25, 2022 4:33:40 PM  
**To:** Fillinger, Nicholas (MSP) <[FillingerN@michigan.gov](mailto:FillingerN@michigan.gov)>  
**Cc:** Michael Komorn <[michael@komornlaw.com](mailto:michael@komornlaw.com)>; Alyssa McCormick <[alyssa@komornlaw.com](mailto:alyssa@komornlaw.com)>; Jennifer St. Amant <[jennifer@komornlaw.com](mailto:jennifer@komornlaw.com)>  
**Subject:** Subpoena, Case No. 20-31353-SD-1, 74th District Court, Bay County

**CAUTION: This is an External email. Please send suspicious emails to [abuse@michigan.gov](mailto:abuse@michigan.gov)**

Mr. Fillinger,

I have attached a subpoena for you to appear in the above-listed matter and produce the documentation as listed on the subpoena.

Please let me know that you received this and can attend.

Please contact me directly at 734-634-8061 with any questions. You can also contact Attorney Michael Komorn directly at 248-321-5393.

Thank you for your anticipated cooperation in this matter.

Sincerely,

Steve Miller

Komorn Law, PLLC  
Legal Assistant  
734-634-8061

## Wilson, Jennifer (MSP)

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Thursday, August 25, 2022 7:43 PM  
**To:** Fillinger, Nicholas (MSP)  
**Subject:** RE: CBD & THC Toxicology results

Thanks, Nick. This is helpful.

Jeff

---

**From:** Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>  
**Sent:** Thursday, August 25, 2022 7:41 PM  
**To:** Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>  
**Subject:** Fwd: CBD & THC Toxicology results

---

**From:** Reiser, John <[JReiser@a2gov.org](mailto:JReiser@a2gov.org)>  
**Sent:** Thursday, August 25, 2022 12:20:23 PM  
**To:** Fillinger, Nicholas (MSP) <[FillingerN@michigan.gov](mailto:FillingerN@michigan.gov)>  
**Subject:** FW: CBD & THC Toxicology results

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**From:** [TSTP@mipaam.com](mailto:TSTP@mipaam.com) <[TSTP@mipaam.com](mailto:TSTP@mipaam.com)> On Behalf Of Cheri Bruinsma via mipaam.com  
**Sent:** Thursday, August 25, 2022 9:56 AM  
**To:** [TSTP@mipaam.com](mailto:TSTP@mipaam.com)  
**Subject:** [TSTP] FW: CBD & THC Toxicology results

This message was sent from outside of the City of Ann Arbor. Please do not click links, open attachments, or follow directions unless you recognize the source of this email and know the content is safe.

Good morning,

We were alerted by the MSP Crime Lab that there is likely an issue with toxicology screens for blood tests for marijuana results. They very recently learned that the test is unable to distinguish between THC and CBD. They are working to understand the issue and scope of the problem. They expect to have additional information in the next few weeks. In the meantime, if you have a case that relies on a THC toxicology screening, you should not rely on that result. Please contact the lab if you do and with any questions. The lab will provide additional information as they have it.

Cheri L. Bruinsma  
Executive Director  
Prosecuting Attorneys Coordinating Council

116 W. Ottawa  
Lansing, MI 48913  
517-334-6060 ext. 501

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## Wilson, Jennifer (MSP)

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**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Tuesday, September 6, 2022 12:42 PM  
**To:** Wilson, Jennifer (MSP)  
**Subject:** FW: CJ Partner Notification-MSP FSD Toxicology Unit  
**Attachments:** CJ Partner Notification\_08312022JN.pdf

Responsive to FOIA. Written communication with Criminal Justice Partners.

Jeff

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Wednesday, August 31, 2022 9:35 AM  
**To:** Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>  
**Subject:** CJ Partner Notification-MSP FSD Toxicology Unit

Criminal Justice Partners

On August 22, 2022, the MSP Forensic Science Division (FSD) Toxicology Unit suspended temporarily the confirmatory testing of blood and urine samples for tetrahydrocannabinol (THC) due to a concern that cannabidiol (CBD) may be converted to THC during laboratory analysis. Notice of this issue is provided to criminal justice stakeholders in the attached letter that includes more details about the issue and the action steps being taken by the FSD to remedy the matter. I ask that you please share this correspondence with your members.

Jeffrey V. Nye  
Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
CELL: [REDACTED]

**"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"**



*Your opinion is very important to us. Please take a few moments to complete a brief survey at the following link: [MSP Forensic Science Division Customer Service Survey](#)*

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## Wilson, Jennifer (MSP)

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Thursday, September 1, 2022 11:48 AM  
**To:** Bond, Kristine (MSP)  
**Cc:** Brimacombe, Aimee (MSP)  
**Subject:** RE: Legal Hold Notice  
**Attachments:** Preservation Questionnaire\_FSD.docx

Kristine

Please find attached completed questionnaire. I will be sending an email out to each included individual simply communicating the legal hold on documents.

Jeff

---

**From:** Bond, Kristine (MSP) <BondK1@michigan.gov>  
**Sent:** Thursday, September 1, 2022 10:50 AM  
**To:** Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>  
**Cc:** Brimacombe, Aimee (MSP) <BrimacombeA@michigan.gov>  
**Subject:** Legal Hold Notice

Mr. Nye,

Please find attached the Legal Hold Notice from the Attorney General's Office and along with their questionnaire. Can you please have the questionnaire completed on behalf of the Forensic Science Division and ensure that a legal hold is placed on all potential evidence referenced in the Legal Hold Notice. The completed questionnaire should be returned to me within the next week if possible. Please call with any questions.

Also, If you know of anyone else that should receive this notice, please let me know so I may notify them.

Thank you,  
Kristine

Kristine Bond  
Litigation Coordinator  
Risk Management Section  
Transparency and Accountability Division  
Michigan State Police  
7150 Harris Drive  
Dimondale, Michigan 48821  
TX: (517) 284-3234  
Cell: [REDACTED]

## Wilson, Jennifer (MSP)

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Wednesday, August 31, 2022 9:41 AM  
**To:** Clark, Beth (MSP); Kelenske, Chris (MSP)  
**Subject:** FYSA-CJ Notification  
**Attachments:** CJ Partner Notification\_08312022JN.pdf

Jeffrey V. Nye  
Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
CELL: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Friday, September 2, 2022 8:58 AM  
**To:** Wilson, Jennifer (MSP); Bowen, John (MSP); Larrison, Ryan M. (MSP); Daniels, Gary (MSP); Gill, Greta (MSP); French, Geoffrey (MSP); Fillinger, Nicholas (MSP)  
**Cc:** Norris, Lindsay (MSP)  
**Subject:** Re: CR 31256112

Would Tuesday be ok? I am on AL today. Additionally, I will have very little...very little.

---

**From:** Wilson, Jennifer (MSP) <WilsonJ25@michigan.gov>  
**Sent:** Friday, September 2, 2022 8:47:34 AM  
**To:** Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>; Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>; Daniels, Gary (MSP) <DanielsG@michigan.gov>; Gill, Greta (MSP) <GillG@michigan.gov>; French, Geoffrey (MSP) <FrenchG@michigan.gov>; Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>  
**Cc:** Norris, Lindsay (MSP) <NorrisL@michigan.gov>  
**Subject:** FW: CR 31256112

Good morning everyone,

We have received a FOIA request that is requesting the following:

I am re-submitting this FOIA request and have included my mailing address below. Thanks.

To the Michigan State Police's Freedom of Information Act (FOIA) Coordinator, MSP Colonel Joseph Gasper, MSP Toxicology Unit Supervisor Goeff French and MSP Forensic Science Division Commander Jeff Nye:

I am hereby requesting, under the authority of Michigan's Freedom of Information Act(FOIA), digital files or scanned copies of the following public records, which were prepared, owned, used, in the possession of, or retained by the Michigan State Police (MSP):

1. All public records, writings, emails that were sent/received/forwarded, text messages, encrypted chat messages, photographs, test results, audio and video recordings and any other information or data related in any way to the circumstances and events that led MSP to inform the Prosecuting Attorneys Association of Michigan (PAAM) that the MSP toxicology blood screening/testing method for calculating marijuana/THC levels is unable to distinguish between THC and CBD.
2. All public records, writings, emails that were sent/received/forwarded, text messages, encrypted chat messages, photographs, test results, audio and video recordings and any other information or data related in any way to any alerts, notifications or communications provided by MSP to PAAM or any other persons regarding MSP's toxicology blood screening/testing method for calculating marijuana/THC levels being unable to distinguish between THC and CBD.
3. All public records, writings, emails that were sent/received/forwarded, text messages and encrypted chat messages that were sent to MSP by any PAAM member or any other persons regarding MSP's toxicology blood screening/testing method for calculating marijuana/THC levels being unable to distinguish between THC and CBD.
4. A subscription to all future issuances of public records that are created, issued, disseminated or received by MSP regarding MSP's toxicology blood screening/testing method for calculating marijuana/THC levels being unable to distinguish between THC and CBD.

Please note that the majority of this request is for communications between MSP and PAAM, which I assume would probably be held at the Division level. But a decision will need to be made regarding this portion of the request and what documents this would entail since it specifically asks for test results, information or data that led us to inform PAAM of the issue:

..."test results,... and any other information or data related in any way to the circumstances and events that led MSP to inform the Prosecuting Attorneys Association of Michigan (PAAM) that the MSP toxicology blood screening/testing method for calculating marijuana/THC levels is unable to distinguish between THC and CBD"

Please respond to this email chain with all communications regarding this request, documents provided and decisions made regarding what will be provided.

I have requested an extension on this one, and if the documents are numerous we can request a fee half.

Thank you,

Jennifer Wilson  
Assistant Laboratory Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

---

**From:** Norris, Lindsay (MSP) <NorrisL@michigan.gov>  
**Sent:** Thursday, September 1, 2022 4:12 PM  
**To:** Wilson, Jennifer (MSP) <WilsonJ25@michigan.gov>  
**Subject:** CR 31256112  
**Importance:** High

Jennifer,

Please see attached.

Thank you,

Lindsay Norris  
Pronouns: she, her, hers  
Forensic Technician  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
TX: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Wednesday, August 31, 2022 2:39 PM  
**To:** Daniels, Gary (MSP); Wilson, Jennifer (MSP); Bowen, John (MSP)  
**Cc:** Larrison, Ryan M. (MSP)  
**Subject:** DRAFT prosecutor letter

Just trying to get a version started so that people can put their comments/improvements in place:

Dear *Prosecutor's Name*:

This letter is to inform you of an internal review of toxicology reports that have a reported THC result since March 28th, 2019, when CBD became legal under Michigan law. It was determined that toxicology THC results may be the result of THC, THC and CBD, or CBD alone. A review of laboratory information indicates the attached cases have a reported THC value and have no other drugs reported from our toxicology screening assay and alcohol less than the 0.08% threshold.

If you feel that you have received this letter in error or have further question, please contact Mr. Geoffrey French, Lab Manager, at [REDACTED] or Ms. Greta Gill, Lab Manager, at [REDACTED].

Sincerely...

Jeffrey V. Nye  
Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
CELL [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Wednesday, August 31, 2022 9:35 AM  
**To:** Nye, Jeffrey V. (MSP)  
**Subject:** CJ Partner Notification-MSP FSD Toxicology Unit  
**Attachments:** CJ Partner Notification\_08312022JN.pdf

Criminal Justice Partners

On August 22, 2022, the MSP Forensic Science Division (FSD) Toxicology Unit suspended temporarily the confirmatory testing of blood and urine samples for tetrahydrocannabinol (THC) due to a concern that cannabidiol (CBD) may be converted to THC during laboratory analysis. Notice of this issue is provided to criminal justice stakeholders in the attached letter that includes more details about the issue and the action steps being taken by the FSD to remedy the matter. I ask that you please share this correspondence with your members.

Jeffrey V. Nye  
Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
CELL: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Thursday, September 1, 2022 5:04 PM  
**To:** Wilson, Jennifer (MSP); Daniels, Gary (MSP); Bowen, John (MSP)  
**Cc:** Larrison, Ryan M. (MSP)  
**Subject:** RE: DRAFT prosecutor letter

Sounds good to me. I'll run it up the chain and see if we can get an approval on this so you guys can start producing. Likely, it'll be early next week.

Thanks again. Have a good holiday weekend.

Jeff

---

**From:** Wilson, Jennifer (MSP) <WilsonJ25@michigan.gov>  
**Sent:** Thursday, September 1, 2022 4:36 PM  
**To:** Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>; Daniels, Gary (MSP) <DanielsG@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>  
**Cc:** Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>  
**Subject:** RE: DRAFT prosecutor letter

Hi Jeff,

I made some edits to the letter as an option to consider:

Dear *Prosecutor's Name*:

This letter is to inform you of a recent internal review of the Forensic Science Division's Toxicology THC confirmatory procedure and the subsequent reports that were issued with positive THC results. The time frame encompassed by this review dates back to March 28th, 2019, when CBD became legal under Michigan law. It was recently determined that toxicology THC results may be the result of THC only, both THC and CBD, or CBD alone. A review of laboratory information indicates the attached cases have a reported THC and/or THC-COOH value. These cases also have no other drugs reported from our toxicology screening assay and alcohol not detected or less than the 0.08% per se threshold, making the THC reported result the only positive result.

If you feel that you have received this letter in error or have further question, please contact Mr. Geoffrey French, Lab Manager, at 517-819-4581 or Ms. Greta Gill, Lab Manager, at 517-643-6246.

Jennifer Wilson  
Assistant Laboratory Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]



---

**From:** Nye, Jeffrey V. (MSP) <[NyeJ1@michigan.gov](mailto:NyeJ1@michigan.gov)>

**Sent:** Wednesday, August 31, 2022 2:39 PM

**To:** Daniels, Gary (MSP) <[DanielsG@michigan.gov](mailto:DanielsG@michigan.gov)>; Wilson, Jennifer (MSP) <[WilsonJ25@michigan.gov](mailto:WilsonJ25@michigan.gov)>; Bowen, John (MSP) <[BowenJ1@michigan.gov](mailto:BowenJ1@michigan.gov)>

**Cc:** Larrison, Ryan M. (MSP) <[LarrisonR@michigan.gov](mailto:LarrisonR@michigan.gov)>

**Subject:** DRAFT prosecutor letter

Just trying to get a version started so that people can put their comments/improvements in place:

Dear *Prosecutor's Name*:

This letter is to inform you of an internal review of toxicology reports that have a reported THC result since March 28th, 2019, when CBD became legal under Michigan law. It was determined that toxicology THC results may be the result of THC, THC and CBD, or CBD alone. A review of laboratory information indicates the attached cases have a reported THC value and have no other drugs reported from our toxicology screening assay and alcohol less than the 0.08% threshold.

If you feel that you have received this letter in error or have further question, please contact Mr. Geoffrey French, Lab Manager, at [REDACTED] or Ms. Greta Gill, Lab Manager, at [REDACTED].

Sincerely...

Jeffrey V. Nye  
Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
CELL: 517-719-4460

**"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"**



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## Wilson, Jennifer (MSP)

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Wednesday, August 31, 2022 9:41 AM  
**To:** Peterson, Jay (MSP); Daniels, Gary (MSP); Wilson, Jennifer (MSP); Hall, Glen (MSP); Morden, Charles (MSP); Lamont, Keith (MSP); Lucey, John (MSP); Welch, Jason J. (MSP)  
**Cc:** Bowen, John (MSP); Larrison, Ryan M. (MSP)  
**Subject:** CJ Notification-Toxicology  
**Attachments:** CJ Partner Notification\_08312022JN.pdf

The attached letter has been provided to PAAM, SADO, MDIC, CDAM, MSA and MACP as of ten minutes ago.

Clarification for messaging. If you receive a media inquiry, simply refer them to MSP Public Affairs. If you receive a question regarding a specific case, refer the caller to the scientist that issued the report. If you receive a call from a stakeholder asking general technical questions about the issue, please forward those to Nick Fillinger.

Please let me know if you have questions or need clarification.

Jeff

Jeffrey V. Nye  
Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
CELL: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Wednesday, August 31, 2022 9:16 AM  
**To:** Fillinger, Nicholas (MSP)  
**Subject:** FW: Stakeholder notification-08-31-2022  
**Attachments:** CJ Partner Notification\_08312022JN.pdf

FYSA

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Wednesday, August 31, 2022 9:02 AM  
**To:** Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>  
**Cc:** Bowen, John (MSP) <BowenJ1@michigan.gov>  
**Subject:** Stakeholder notification-08-31-2022

Attached for ANAB.

Jeff

Jeffrey V. Nye  
Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
CELL: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Wednesday, August 31, 2022 9:04 AM  
**To:** Banner, Shanon (MSP)  
**Subject:** RE: Final

One final question. Should I put everyone being contacted as a TO: or as a BC:? I have no preference either way.

---

**From:** Banner, Shanon (MSP) <BannerS@michigan.gov>  
**Sent:** Wednesday, August 31, 2022 9:00 AM  
**To:** Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>  
**Subject:** RE: Final

Letter looks good. This is some of the language I am using in the memo to our members (revised slightly). I think you could use this in your email to stakeholders.

*On August 22, 2022, the MSP Toxicology Unit suspended temporarily the screening of blood and urine samples for tetrahydrocannabinol (THC) due to a concern that cannabidiol (CBD) may be converted to THC during laboratory analysis. Notice of this issue is provided to criminal justice stakeholders in the attached letter that includes more details about the issue and the action steps being taken by the Forensic Science Division to remedy the matter. I ask that you please share this correspondence with your members.*

---

**From:** Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>  
**Sent:** Wednesday, August 31, 2022 8:53 AM  
**To:** Banner, Shanon (MSP) <BannerS@michigan.gov>  
**Subject:** Final

One last final check and then I'll get it emailed to ANAB, followed by our partners.

Jeffrey V. Nye  
Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
CELL: [REDACTED]

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# OFFICIAL STATEMENT

## MICHIGAN STATE POLICE

### TECHNICAL ISSUE IMPACTS LABORATORY CASES INVOLVING CBD

Statement by Col. Joe Gasper, Director

August 29, 2022

The Michigan State Police (MSP) is acknowledging it has uncovered a technical issue within its Toxicology Unit in which samples containing Cannabidiol, commonly known as CBD, may be converted to Tetrahydrocannabinol, commonly known as THC, which is one of more than 100 cannabinoids in the *cannabis sativa* plant and is the primary constituent for the psychoactive properties of marijuana.

Since March 28, 2019, CBD, which is structurally similar to THC but is reported to have no psychoactive properties, has been legal under Michigan law.

This issue first came to our attention on Aug. 19, 2022, when a prosecutor questioned a THC confirmation finding in a laboratory report. Subsequent quality evaluations and a review of literature led to the discovery that the laboratory confirmatory method in use may cause THC to be identified when the sample contains THC, when it contains a combination of THC and CBD, or when it contains CBD alone.

Upon this discovery, the MSP Forensic Science Division (MSP/FSD) immediately halted the processing of samples using the current THC confirmation assay. Notification was also made to the Prosecuting Attorneys Association of Michigan for dissemination to prosecutors statewide to prevent these reports from being used in any current or pending court cases.

After further research, we now believe that cases potentially impacted by this finding include those occurring on or after March 28, 2019, where the alleged violation is based on the finding of THC alone and there is insufficient evidence of impairment, intoxication, or recent use of marijuana to otherwise support the charged offense.

Laboratory data indicates there are approximately ### laboratory reports that may be impacted. These are reports in which there was a THC-confirmed result without other drugs present or alcohol detected above the 0.08% blood alcohol content legal threshold. These individual cases are being identified and will be shared with the prosecuting attorney of record for further investigation as to any potential impact to the individual involved.

In addition to temporarily halting testing of THC samples and disclosing the issue to prosecutors, the MSP/FSD has taken the following action steps:

- Reported the issue to our accrediting body, ANSI National Accreditation Board (ANAB), and requested they conduct an independent review.
- Temporarily halted the disposal of blood samples after two years per retention policy to preserve this evidence should re-analysis be required.

**MORE**

- Started to work on validating a new cannabinoid confirmatory method that will include THC that is anticipated to be in place by November. This validation will comply with the American Standards Board (ASB) Standard 036, *Standard Practices for Method Validation in Forensic Toxicology*, which should ensure that similar issues with drug interference will not happen in the future.
- Started the process to establish a contract with a private, accredited laboratory for processing THC samples in the interim before the new method is validated.

The MSP/FSD remains committed to providing the highest standard of forensic services to the criminal justice community. It is worth noting that the current cannabinoid confirmatory method, which is a validated method that has been in use by the MSP/FSD for approximately 20 years, was never raised as a concern during accreditation assessments, which occur every four years by a team of outside expert assessors, nor was it identified in an audit of the Toxicology Unit that was conducted this year by an outside expert. Had the MSP/FSD known about this issue sooner, it would have been remedied.

###



STATE OF MICHIGAN  
DEPARTMENT OF STATE POLICE  
Forensic Science Division

GRETCHEN WHITMER  
GOVERNOR

COL. JOSEPH M. GASPER  
DIRECTOR

August 23, 2022

To our Criminal Justice Stakeholders throughout Michigan,

The Michigan State Police Forensic Science Division's (MSP FSD) Toxicology Discipline recently observed a phenomenon with its cannabinoid confirmatory analysis. The observation led to further investigation and the determination that if cannabidiol (CBD) is present in blood samples it is incorrectly identified as tetrahydrocannabinol (THC).

Our immediate concern is for our Criminal Justice Stakeholders throughout Michigan and the impact that this issue could have on each of them. As of August 22, 2022, the cannabinoid confirmatory assay being utilized in the laboratory has been discontinued and a new method is currently being validated. That validation will comply with ASB Standard 036, *Standard Practices for Method Validation in Forensic Toxicology*.

If you currently have a positive THC report issued by the laboratory, and you do not have driving behavior, individual observations, results of Standardized Field Sobriety Tests (SFSTs), Drug Recognition Expert (DRE) evaluations, or other indicators of THC, please consider the alternative explanation that the sample was positive for CBD.

If you have any further questions, please contact a Toxicology Unit Supervisor or the Toxicology Technical Leader (Nicholas Fillinger: [REDACTED] [fillingern@michigan.gov](mailto:fillingern@michigan.gov)).

Sincerely,

Nicholas Fillinger  
Toxicology Technical Leader  
Michigan State Police Forensic Science Division



## TIMELINE

8/19/22: MSP/FSD is contacted by Ionia County Prosecutor's Office with concerns about a Toxicology result that was positive for THC in the case of a 79-year-old female involved in a fatal crash. MSP/FSD begins to look into the result.

8/22/22: MSP/FSD halts the processing of THC blood samples.

MSP/FSD locates two references to this issue in scientific publications:

- ~~Minor r~~Reference in an ~~obscure~~ publication in 2012
- ~~Industry Professional~~ journal article published in 2020 – not circulated in the forensic toxicology scientific community

8/25/22: MSP/FSD determines through laboratory testing that CBD is converted to THCe ~~presence of CBD in a blood sample may have led to a positive result for THC using the~~ now halted analytical method and notifies the Prosecuting Attorney's Association of Michigan of the potential issue to prevent evidence being introduced in any current trials. PAAM notifies county prosecutors who begin to give notice to judges and defense bar.

MSP/FSD prioritizes transition from gas chromatography–mass spectrometry (GC-MS) to liquid chromatography–mass spectrometry (LC-MS/MS) as a solution to this issue.

- MSP/FSD was already working toward moving to LC-MS/MS; had purchased equipment already.
- Expected transition time is approximately 45 days (early October) to validate the new method.

MSP/FSD begins to research options for outsourcing THC blood samples in interim.

MSP/FSD retention policy changed to temporarily halt the disposal of blood samples after two years, should re-analysis be required.

TBD: Scope of potential issue identified; guidance on potentially impacted cases shared with prosecutors

Public statement made about scope of problem so defense attorneys can begin to self-identify cases that may be impacted.

## POTENTIAL SCOPE

- The Toxicology Unit analyzes approximately 20,000 samples annually for the presence of alcohol and/or drugs pursuant to a forensic examination request.
  - Approximately 5,000 of these cases involve THC.
- It is believed that approximately **XXXX number of cases** in total may be impacted by this issue.
  - Cases potentially impacted included those occurring on or after March 28, 2019, where the alleged violation is based on the finding of THC or marijuana in the suspect's blood and there is insufficient evidence of impairment, intoxication, or recent use of marijuana to otherwise support the charged offense.

- Reasoning: CBD continued to fall under the definition of “marihuana” as found in [MCL 333.7106](#) of the Public Health Code until the March 28, 2019 effective date of [2018 PA 642](#), and because CBD continued to be legally regulated as “marihuana” for all Michigan criminal offenses and prosecutions occurring before that date. Potential cases to review include those convictions or pending charges for Operating with the Presence of a Controlled Substance under [MCL 257.625\(8\)](#) occurring on or after March 28, 2019 where the alleged violation is based on the finding of THC or marihuana in the suspect’s blood and there is insufficient evidence of impairment, intoxication, or recent use of marihuana to otherwise support the charged offense.

## IMPACT ON CASELOAD

- The Toxicology Unit ~~analyzes~~ ~~receives~~ approximately 100 blood samples ~~for the presence of THC~~ per week.
- If samples are not outsourced, expect a backlog of approximately 600 samples.
  - Anticipate it will take a couple of weeks to catch up once the new method is validated

## BACKGROUND & TALKING POINTS

- The current process of ~~confirming screening for~~ THC ~~is a validated method used by other laboratories.~~ ~~The MSP/FSD~~ has been using it for approximately 20 years.
  - The issue is the ~~chemical~~ process being used to prepare the sample for analysis.
  - While others use this same method for ~~confirming screening for~~ THC, their pre-processing method may be different.
- As of this week, we are now aware that CBD is being inadvertently converted to THC in our pre-process preparation of the sample. This causes CBD to be observed and reported as THC in toxicology reports.
- THC, tetrahydrocannabinol, is a controlled substance. CBD, cannabidiol, was a controlled substance until federal law changed in December 2018. On March 28, 2019, PA 642 of 2018 changed the definition of marijuana in Michigan to separate CBD from THC.
- MSP/FSD is accredited by ANAB (ANSI National Accreditation Board). As part of this accreditation, all disciplines are re-accredited every four years by a team of expert assessors ~~with annual surveillance assessments.~~ ~~The current concern was not raised during the accreditation assessments.~~ ~~MSP/FSD’s methods for Toxicology were never called into question.~~
- Further, MSP/FSD conducts an internal audit of each discipline annually. In 2022, MSP/FSD elected to hire an outside expert to ~~assist~~ ~~conduct~~ the audit of the Toxicology Unit. This audit returned no findings regarding the method being used in Toxicology to ~~confirm~~ ~~screen for~~ THC.
- Two blood samples are submitted to the laboratory for every Toxicology case. Per department [Official Orders retention policies and laboratory procedure](#), the second blood sample is preserved at the laboratory for two years. This second sample can potentially be re-examined for those cases where the samples are retained (cases dating back to early/mid 2020), although there may be some degradation of [THC within the](#) ~~the~~ sample.

- This issue was identified when a prosecutor questioned a lab result. The MSP FSD welcomes challenges such as this from both prosecutors and defense attorneys, as they are an important and necessary part of ensuring our laboratory system is achieving our purpose, which is to use science to find the truth.

THICK /  
Thu, Aug 25, 12:30 PM

Can I call you later?

You or Ryan please.

Taken care of.

Thank you!

Thu, Aug 25, 6:32 PM

Can I call you when I get home?



Thu, Aug 25, 7:38 PM

From John Rieser:

Hello from John Reiser. The Jackson County Pros Atty sent out a memo to judges and the defense bar that their office "will not be ably to rely on the MSP Crime Lab toxicology screening." I got a copy that atty Mike Nichols sent to the state bar's Cannabis Law Section. I forwarded it

Thu, Aug 25, 12:37 PM

Do you have a sec for a follow up call?

do.

Give me a few. And I'll call.

Fri, Aug 26, 9:23 AM

Do you have a minute to talk?

If you've got time sooner rather than later would be good.

Capt Chris Hawkins will be reaching out. Will that be ok?

Deliver

Yes. Thanks!

Sat, Aug 27, 5:38 PM

We have something close to a final letter for criminal justice partners and an official department statement for Monday. Do either or both of you want/need to review? It'll be working its way through the approval process but didn't want to leave either of you out.

Chris Kelenske

We want to see it but you all are the experts. Work with shanon on cleaning it up but unless the major sees it otherwise, your team knows what is needed.

CK



I will send you both documents via email as they exist now since they both have been approved by those that have worked on them. Thank you.



Thu, Aug 25, 9:05 AM

Cheri just got to the island and will  
call you in a few minutes on your cell.



THC-COOH, generic with no isomer information = Carboxy-tetrahydrocannabinol

CBD carboxy is listed as (7-COOH-CBD) because there's only one known metabolite of CBD.....currently.

And the way it's written out is 7-carboxy-tetrahydrocannabinol

Thanks.

Hey, question. Is CBD carboxy written out correctly above as 7-carboxy-tetrahydrocannabinol? Or is it 7-hydroxy-cannabidiol?

2nd one

Just confirming...7-hydroxy-cannabidiol is the correct way?



Yes



**From:** [Fillinger, Nicholas \(MSP\)](#)  
**To:** [French, Geoffrey \(MSP\)](#); [Gill, Greta \(MSP\)](#)  
**Cc:** [Kellogg, Samantha \(MSP\)](#); [Geiger, Jordyn \(MSP\)](#)  
**Subject:** CAR on THC and CBD  
**Date:** Thursday, August 25, 2022 9:36:00 AM  
**Attachments:** [image001.png](#)

---

Geoff, Greta,

For the CAR that I'm opening, I want to have objective proof of the % conversion of CBD to THC. I know that we've estimated it, based upon the 20 ng/mL CBD control that was analyzed, but I want to have more than an estimate.

Jordyn, Sam,

Would one of you please analyze a batch of cannabinoids with the following:

- Calibration curve
- Controls
- 5 ng/mL CBD extracted in triplicate
- 20 ng/mL CBD extracted in triplicate
- 40 ng/mL CBD extracted in triplicate

I imagine that your first question may be why am I doing this. When I'm asked how I objectively know that the CBD was converted to THC, I have the proof that I need. When I'm asked if I have any idea about the conversion rate, I have to be able to say more than it was estimated. I know this is some additional work for you, I appreciate your efforts.

Thank you,

Nicholas Fillinger  
Toxicology Technical Leader  
Michigan State Police  
Forensic Science Division  
7320 N Canal Rd  
Lansing, MI 48913  


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## Kellogg, Samantha (MSP)

---

**From:** Jessica Snow <JSnow@whitelakepolice.com>  
**Sent:** Thursday, September 1, 2022 1:25 PM  
**To:** Kellogg, Samantha (MSP)  
**Subject:** Re: Lab# TX22-6450

**CAUTION: This is an External email. Please send suspicious emails to [abuse@michigan.gov](mailto:abuse@michigan.gov)**

Thanks for your response! I appreciate it!!!

Det. Snow

Sent from my iPhone

On Sep 1, 2022, at 12:47, Kellogg, Samantha (MSP) <KelloggS1@michigan.gov> wrote:

Good afternoon,

As referenced in the official statement released on Michigan.gov, if there is evidence of impairment, intoxication, or recent use of marijuana, in addition to the blood THC results, it may be appropriate to proceed with the charges. I would be able to testify in court that my positive result was either from THC, CBD, or a combination of the two; and that as CBD does not cause impairment, if impairment was seen, it was likely there was some THC in that blood sample. I cannot, however, say with certainty which it was. Please let me know if you have further questions and I will do my best to answer them.

Thank you,

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

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*immediately. Correspondence referencing a case(s) may be retained as part of the laboratory case record and be subject to Freedom of Information Act requests.*

---

**From:** Jessica Snow <JSnow@whitelakepolice.com>  
**Sent:** Thursday, September 1, 2022 8:19 AM  
**To:** Kellogg, Samantha (MSP) <KelloggS1@michigan.gov>  
**Subject:** Lab# TX22-6450

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Good Morning Samantha,

I am hoping for some clarification given the “buzz” about the MSP lab testing THC vs. CBD. Are we able to move forward obtaining charges where we have a THC level only for blood results. I am referencing lab # TX22-6450, [REDACTED] OUID. Thank you for your response in advance, I’m sure I’m not the only one bugging you all about this. Thanks so much!!!

Det. Snow

Detective Jessica Snow  
White Lake Twp. Police Department  
7525 Highland Road  
White Lake, MI 48383

OFFICE: (248) 698-4404x2  
FAX: (248) 698-3351  
[jsnow@whitelakepolice.com](mailto:jsnow@whitelakepolice.com)

## Kellogg, Samantha (MSP)

---

**From:** Kellogg, Samantha (MSP)  
**Sent:** Thursday, September 1, 2022 12:57 PM  
**To:** [REDACTED]  
**Subject:** People v [REDACTED]

Good afternoon,

Checking in on this case for Tuesday. I wanted to let you know that I would only be available to testify until 2:30pm on that date, as I am scheduled to give a presentation at a local college at 3. Do you anticipate needing me this time? I am assuming that Zoom would still be acceptable since it was the previous time this case was up. Also, please let me know if you have questions about my results and what they could mean in light of the recent statement regarding THC testing posted on Michigan.gov.

Thank you,

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

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## Kellogg, Samantha (MSP)

---

**From:** Amanda Bielawski (39th District Court) <abielawski@roseville-mi.gov>  
**Sent:** Wednesday, August 31, 2022 3:09 PM  
**To:** Kellogg, Samantha (MSP)  
**Subject:** RE: Lab report-[REDACTED] [REDACTED]

---

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---

Thank you for this.

---

**From:** Kellogg, Samantha (MSP) <KelloggS1@michigan.gov>  
**Sent:** Wednesday, August 31, 2022 3:06 PM  
**To:** Amanda Bielawski (39th District Court) <abielawski@roseville-mi.gov>  
**Subject:** RE: Lab report-[REDACTED] [REDACTED]

Good afternoon,

That report will not be released at this time due to an internal issue with our testing procedure. The sample will be retested after the issue is resolved, and a report made at that time.

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

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---

**From:** Amanda Bielawski (39th District Court) <[abielawski@roseville-mi.gov](mailto:abielawski@roseville-mi.gov)>  
**Sent:** Monday, August 29, 2022 10:08 AM  
**To:** Kellogg, Samantha (MSP) <[KelloggS1@michigan.gov](mailto:KelloggS1@michigan.gov)>  
**Subject:** Lab report-[REDACTED] [REDACTED]

---

**CAUTION: This is an External email. Please send suspicious emails to [abuse@michigan.gov](mailto:abuse@michigan.gov)**

---

Good Morning,

I was given your email from Samantha Beauchamp regarding this defendant below. She said you would have the "report 2" lab. Can you send that to me if possible?

Laboratory No. : TX22-10432  
Delivered By : First Class Mail  
Agency : Roseville Police Department  
29753 Gratiot Ave.  
Roseville, MI 48066  
Incident Number : 22-18521  
Record No. : 1  
Date Received : July 21, 2022  
Time Received : 1:00 p.m.  
File Class : 5400-2  
Date Completed : July 27, 2022  
Subject:  
[REDACTED] [REDACTED]

Officer Amanda Bielawski  
Director of Probation  
39<sup>th</sup> District Court  
29733 Gratiot  
Roseville, MI 48066  
Office: 586-447-4428  
Fax: 586-447-4433  
[abielawski@roseville-mi.gov](mailto:abielawski@roseville-mi.gov)

## Kellogg, Samantha (MSP)

---

**From:** Kellogg, Samantha (MSP)  
**Sent:** Wednesday, August 31, 2022 11:44 AM  
**To:** James, Stephen (MSP)  
**Subject:** RE: TX22-8620

Good morning,

This case was actually tested and reported during the time that we were still testing for THC; it just so happens that there was no active THC found in the blood sample, only the metabolite. Your assessment that THC-COOH alone cannot be used for prosecution is correct.

We have currently stopped all THC and THC-COOH testing at our lab, due to issues that you may have seen in a letter released this morning. The lab is currently working on validating a new method that will allow us to resume this testing. If you do have new cases where you suspect the individual is under the influence of marijuana, please continue to have blood drawn and sent to the lab, and we will test it as soon as our new method is validated. Please let me know if you have further questions.

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

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**From:** James, Stephen (MSP) <JamesS5@michigan.gov>  
**Sent:** Wednesday, August 31, 2022 1:31 AM  
**To:** Kellogg, Samantha (MSP) <KelloggS1@michigan.gov>  
**Subject:** TX22-8620

Good morning Ma'am,

I recently received your lab reports TX22-8620 1 and 2 regarding a [REDACTED]. As a result of your analysis, you determined the subject to have 24 ng/mL of THC-COOH along with ETOH below .08. I had suspected THC as a contributing factor and have recently, after submitting a warrant request, heard news that we are possibly not



testing for THC any longer. In the past, the prosecutors' offices in the tri-county metro Detroit area have not traditionally considered THC-COOH to fall under the OWI statute.

I know this may be a lot to ask and understand if you can't, but could you please provide some clarification, or do you happen to know if the MSP Laboratory has any advice to offer to the field on prosecuting THC/Cannabis/Marijuana cases? Are there plans for THC analysis in the future? Does the lab have any resources I can forward to the prosecutor's office to support charging for THC-COOH? I found out from a charge nurse at a local hospital when conducting a blood draw for a marijuana impaired driver and then read articles from the local new channels.

Thank you,  
Tpr. Stephen James  
Michigan State Police  
Metro North Post No. 21  
14350 W. 10 Mile Rd.  
Oak Park, MI 48237  
Office (248) 584-5740  
Fax (248) 584-5783  
Email: [james5@michigan.gov](mailto:james5@michigan.gov)



**Kellogg, Samantha (MSP)**

---

**From:** Kellogg, Samantha (MSP)  
**Sent:** Thursday, August 25, 2022 11:11 AM  
**To:** Thomas Hubbert  
**Subject:** People v [REDACTED] [REDACTED]

Good morning,

I have received a subpoena for this trial, scheduled for Tuesday. We have very recently uncovered something about our THC testing that I would like to discuss with you prior to your settlement conference tomorrow. Please give me a call at the number below at your convenience sometime today.

Thank you,

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

## **Kellogg, Samantha (MSP)**

---

**From:** Kellogg, Samantha (MSP)  
**Sent:** Thursday, August 25, 2022 8:50 AM  
**To:** Diane Heitman  
**Subject:** Trials next week

Hi Dianne,

Can you please call me as soon as possible re: [REDACTED] [REDACTED] and [REDACTED] [REDACTED] I have information I would like you to have prior to settlement conferences.

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

**From:** [Fillinger, Nicholas \(MSP\)](#)  
**To:** [Albertson, Logan \(MSP\)](#); [Angst, Julia \(MSP\)](#); [Beauchamp, Samantha \(MSP\)](#); [Bennett, Diane \(MSP\)](#); [Carlstrom, Dawn \(MSP\)](#); [Dailey, Kimberly \(MSP\)](#); [Faust, Tabitha \(MSP\)](#); [Fillinger, Nicholas \(MSP\)](#); [French, Geoffrey \(MSP\)](#); [Geiger, Jordyn \(MSP\)](#); [Gifford, Ryan \(MSP\)](#); [Gill, Greta \(MSP\)](#); [Kellogg, Samantha \(MSP\)](#); [Norris, Lindsay \(MSP\)](#); [Perez, Rachel \(MSP\)](#); [Rusch, Patricia \(MSP\)](#); [Thelen, Jay \(MSP\)](#); [Vandervest, Mark \(MSP\)](#)  
**Subject:** CBD, THC Stakeholder Letter  
**Date:** Wednesday, August 31, 2022 10:03:24 AM  
**Attachments:** [CJ Partner Notification 08312022JN.pdf](#)  
[image001.png](#)

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Good Morning,

The attached letter was provided to our criminal justice partners a short time ago.

Nicholas Fillinger  
Toxicology Technical Leader  
Michigan State Police  
Forensic Science Division  
7320 N Canal Rd  
Lansing, MI 48913  
[REDACTED]

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GRETCHEN WHITMER  
GOVERNOR

STATE OF MICHIGAN  
DEPARTMENT OF STATE POLICE  
FORENSIC SCIENCE DIVISION

COL. JOSEPH M. GASPER  
DIRECTOR

August 31, 2022

Criminal Justice Partners:

The Michigan State Police Forensic Science Division (MSP/FSD) is committed to providing the highest standard of forensic services to the criminal justice community. The MSP/FSD is accredited in toxicology and analyzes approximately 20,000 samples annually for the presence of alcohol and/or drugs pursuant to a forensic examination request. The men and women who work in the MSP/FSD strive to provide laboratory testing services that are timely, transparent, and scientifically accurate.

One drug in the unit's scope of analysis is tetrahydrocannabinol (THC). THC is one of more than 100 cannabinoids in the *cannabis sativa* plant and is the primary constituent for the psychoactive properties of marijuana. Cannabidiol (CBD), structurally similar to THC, is one of the many cannabinoids present in the *cannabis sativa* plant that is reported to have no psychoactive properties. Since March 28, 2019, CBD has been legal under Michigan law.

On August 22, 2022, the MSP/FSD halted the processing of samples using the current THC confirmation assay due to a concern that CBD\* may be converted to THC during laboratory analysis, which could lead to inaccurate test results. Subsequent quality evaluations and review led to the discovery that the specific laboratory confirmatory method in use by the Toxicology Unit for THC may cause 1) THC to be identified when the sample contains THC, 2) THC to be identified when the sample contains a combination of THC and CBD, or 3) THC to be identified when the sample contains CBD alone.

Analysis of biological samples for the presence of drugs consists of two primary steps: sample preparation and instrumental analysis. One step within the sample preparation method involves the addition of chemicals to stabilize the drugs of interest for subsequent instrumental analysis. Due to the structural similarity between CBD and THC, the stabilizing chemicals may have the unintended consequence of converting CBD to THC.

With this discovery, the MSP/FSD immediately halted the processing of samples using the THC confirmatory method and began working to institute another validated method of testing to ensure accuracy. Most immediately our concern was for the impact this finding may have on active legal proceedings where an individual allegedly used CBD alone and no other intoxicating substances. To mitigate this risk, on August 25, 2022, the laboratory shared the limited information we had with the Prosecuting Attorneys Association of Michigan for dissemination to prosecutors statewide.

After further review, we now believe that cases potentially impacted by this finding include those occurring on or after March 28, 2019, where the alleged violation is based on the finding of THC alone and there is insufficient evidence of impairment, intoxication, or recent use of marijuana to otherwise support the charged offense. The department has identified approximately 3,250 THC confirmed cases during this time period that did not have other drugs within the scope of analysis and/or alcohol detected above the 0.08% legal threshold. The MSP/FSD will be sharing these cases directly with the involved prosecutor as soon as possible so additional review can be done as to the potential impact to these cases.

*\*The metabolite of CBD, 7-COOH-CBD (7-carboxy-cannabidiol), may be converted to a metabolite of THC, COOH-THC (carboxy-tetrahydrocannabinol), using the current laboratory method. When referencing CBD conversion to THC throughout this document, it includes those cases in which 7-COOH-CBD may have been converted to COOH-THC.*



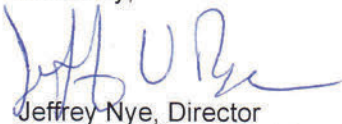
While the laboratory is not currently confirming the presence of THC in submitted samples, a contract will be established with a private, accredited laboratory for those services. We are also actively validating a new cannabinoid confirmatory method that will include THC. This validation will ensure similar issues with drug interference will not happen in the future. In the interim, police officers should continue to obtain biological samples and submit them as normal to the MSP/FSD. It should also be noted only THC confirmed results are in question and testing for other drugs is continuing within the Toxicology Unit as normal.

The MSP/FSD maintains toxicology blood samples for at least two years from the time the sample is taken. Until further notice, the laboratory will retain all toxicology blood tubes so that future retesting may be conducted, if necessary.

If you currently have a positive THC confirmation report issued by the laboratory, and you do not have other evidence of impairment, such as driving behavior, individual observations, results of Standardized Field Sobriety Tests (SFSTs), Drug Recognition Expert (DRE) evaluations, or other indicators of THC, please consider the alternative explanation that the sample may be positive for CBD alone.

We have already self-reported this matter to our accrediting body, ANAB (ANSI National Accreditation Board), and requested an independent review. It is my hope the actions we have taken in response to this issue demonstrate to you our timely, transparent, and ethical response to an emerging technical issue.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jeffrey Nye", is written over a horizontal line.

Jeffrey Nye, Director  
Forensic Science Division  
Michigan State Police



Confirming. 7-carboxy-cannabidiol.



When you get home and settled call me and I'll run through this letter for technical accuracy.

Delivered

**From:** [French, Geoffrey \(MSP\)](#)  
**To:** [Albertson, Logan \(MSP\)](#); [Angst, Julia \(MSP\)](#); [Beauchamp, Samantha \(MSP\)](#); [Bennett, Diane \(MSP\)](#); [Carlstrom, Dawn \(MSP\)](#); [Dailey, Kimberly \(MSP\)](#); [Faust, Tabitha \(MSP\)](#); [Geiger, Jordyn \(MSP\)](#); [Gifford, Ryan \(MSP\)](#); [Gill, Greta \(MSP\)](#); [Kellogg, Samantha \(MSP\)](#); [Kolek, Henry \(MSP\)](#); [Perez, Rachel \(MSP\)](#); [Rusch, Patricia \(MSP\)](#); [Thelen, Jay \(MSP\)](#); [Vandervest, Mark \(MSP\)](#)  
**Subject:** Defense Attorney and Media Inquiries  
**Date:** Thursday, August 25, 2022 2:51:38 PM  
**Attachments:** [image001.png](#)

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All,

Information about the CBD/THC issue is spreading very quickly today after division verbally advised the Prosecuting Attorney's Association of Michigan (PAAM) about the issue. There has not been an official written statement yet, but hopefully that will be happening soon.

In the meantime, if you get a phone call about this issue from a prosecutor or defense attorney, you may discuss the issue with them, but use your discretion. If you are unsure about what to say, you may ask the caller to contact either me or Greta. If you receive an inquiry about this issue from the media, please let me and Greta know and suggest to the caller that they should contact Shannon Banner, the manager of MSP Public Affairs [banners@michigan.gov](mailto:banners@michigan.gov) or 517-284-3222.

Thank you,  
Geoff

Geoffrey French  
Toxicology Unit Supervisor  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
[REDACTED]

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Steve's already. I want to provide copies for the 3 pm meeting.

Fri, Aug 26, 5:21 PM

Can you call when you have a moment? I just have a quick question.

Sun, Aug 28, 1:24 PM

Do you have a moment for a call?

I'll be available in about 15 minutes. Can I call you then?

Sure. No rush.

Mon, Aug 29, 9:45 AM

Just confirming that you are working on sending me the explanation that was discussed on the call? I'm updating all the documents now and need to push them along in the approval process as soon as possible. Thanks!

Yes. Give me about fifteen minutes

Fri, Aug 26, 5:51 PM

How did we determine March 2019 as the start date?



There was a Michigan Public Act legalizing CBD signed on that date. Prior to that date CBD was a schedule one drug.

Fri, Aug 26, 7:11 PM

It coincides with the Farm Bill federally that was signed in December 2018. That's my understanding anyway.

Delivered

I thought it was related to the 2018 bill, but assumed it took effect January 2019. Thanks!

**From:** [Beauchamp, Samantha \(MSP\)](#)  
**To:** [French, Geoffrey \(MSP\)](#); [Gill, Greta \(MSP\)](#)  
**Subject:** Evidence destruction  
**Date:** Tuesday, August 23, 2022 10:38:39 AM  
**Attachments:** [image001.png](#)

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In talking with the prosecutor in my Oakland County case for Friday, she mentioned that when we have a new method, she might request a retest of the blood for THC. I don't know if this is something that we would even consider-that can be determined later-but could we request the Techs to not destroy any evidence until we figure that out? I think they just did a batch but it would look bad if we destroyed evidence in the middle of this discovery process even though retesting might not be an option. ~Sami

Samantha Beauchamp  
Forensic Scientist  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

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**From:** [Kellogg, Samantha \(MSP\)](#)  
**To:** [Gill, Greta \(MSP\)](#)  
**Subject:** FW: Ref Case # TX22-7962  
**Date:** Monday, August 29, 2022 8:21:19 AM  
**Attachments:** [image001.png](#)

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Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

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**From:** Richard Lindquist <rlindquist@hollypolice.com>  
**Sent:** Friday, August 26, 2022 1:13 PM  
**To:** Kellogg, Samantha (MSP) <KelloggS1@michigan.gov>  
**Subject:** Ref Case # TX22-7962

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Good afternoon;

I have been notified by the Oakland County Prosecutor that the warrant associated with this case has been denied due to unreliability in the crime lab being able to determine the difference between THC and CBD.

I am requesting that the blood in this matter please be held in safe storage until this matter can be resolved and the blood can be re-tested. Thank you.

R. Lindquist #817  
Police Officer

Village of Holly Police Department  
315 S. Broad St.  
Holly, MI, 48442  
Tx: 248-634-8221  
Fax: 248-634-2864  
Dispatch: 248-858-4911  
Email: [rlindquist@hollypolice.com](mailto:rlindquist@hollypolice.com)

**From:** [French, Geoffrey \(MSP\)](#)  
**To:** [Fillinger, Nicholas \(MSP\)](#)  
**Cc:** [Gill, Greta \(MSP\)](#); [Kellogg, Samantha \(MSP\)](#); [Geiger, Jordyn \(MSP\)](#); [Beauchamp, Samantha \(MSP\)](#)  
**Subject:** FW: TX22-6430  
**Date:** Tuesday, August 23, 2022 9:32:57 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)

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Nick,

This is the email string from the original communication that Sam got from Ionia County Prosecuting Attorney Kyle Butler and the pursuant emails between me and Sam.

I did call and speak with Mr. Butler in the late afternoon on Friday August 19, 2022. Mr. Butler and I discussed the test results and I did explain to him that the analysis on this case submission had been unusual because the screen results for THC-COOH had been substantially lower than the confirmation test results for THC-COOH. I explained to him that due to the discrepancy between the magnitude of the THC-COOH concentration on the screen and the THC-COOH concentration on the confirmation analysis that the screen had been repeated, but showed results the same (single +) as the original screen. I further advised that we had seen this phenomenon on one or two other cases, but that we had no explanation as to the cause of the discrepancy in THC-COOH concentration between the screen and the confirmation tests.

I asked Mr. Butler if he had any additional details that he was able to share with me that might help us solve the mystery of this discrepancy. He advised that the subject on MSP lab number TX22-6430 was an older lady (79 years old) who claimed to have never used marijuana and there was nothing about her appearance or behavior that suggested that she might be a marijuana user or was being untruthful about marijuana use. I asked Mr. Butler if there was any evidence or admission of use of any type of marijuana-related product that might contain other “cannabinoids”, such as delta-8 THC (or other THC isomers), CBD, CBL, CBH, etc. Mr. Butler advised that there was no evidence or admission of use of any marijuana-related products.

I told Mr. Butler that the reason that there had been a drug screen on this case submission was because the FSD-093 submission form had the “drugs” box marked and the incident involved a fatal motor vehicle collision. I advised Mr. Butler to use the subject’s behavior on the scene as a guide to determine if he thinks that DUID causing death charges were appropriate. He advised that the subject had not exhibited signs and symptoms consistent with an individual who was under the influence of cannabinoids or any other intoxicating substance and therefore he indicated that he didn’t think that he was going to charge the subject with driving under the influence causing death. I agreed with Mr. Butler that it was an appropriate decision to not charge when there is no evidence of impairment.

After our meeting yesterday afternoon to discuss the CBD interference, I reached out to Mr. Butler to have another conversation with him regarding this case. Mr. Butler has not yet called me back this morning, but I intend to tell him about the experiment that Sam and Jordyn ran yesterday that showed that CBD can be “transformed” into THC when using PFPA and HFIP derivatizing reagents. I will let Mr. Butler know that there is a strong probability that CBD was “interfering” with the THC

and presumably also the THC-COOH result due to the THC-COOH concentration discrepancy between screen and confirmation test on this case. I will let him know that CBD is not considered to be a psychoactive substance. I also plan to inquire again specifically about the subject's use of products containing CBD to determine if high levels of CBD in the blood could explain this phenomenon.

Thank you,  
Geoff

Geoffrey French  
Toxicology Unit Supervisor  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
[REDACTED]

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**From:** Kellogg, Samantha (MSP) <KelloggS1@michigan.gov>  
**Sent:** Friday, August 19, 2022 1:28 PM  
**To:** French, Geoffrey (MSP) <FrenchG@michigan.gov>  
**Subject:** Re: TX22-6430

Another thing: possibly ask if she uses CBD. <https://www.cannabissciencetech.com/view/a-brief-review-of-derivatization-chemistries-for-the-analysis-of-cannabinoids-using-gc-ms>

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.



Lansing, MI 48913

TX: [REDACTED]

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**From:** Kellogg, Samantha (MSP) <[KelloggS1@michigan.gov](mailto:KelloggS1@michigan.gov)>

**Sent:** Friday, August 19, 2022 1:23:53 PM

**To:** French, Geoffrey (MSP) <[FrenchG@michigan.gov](mailto:FrenchG@michigan.gov)>

**Subject:** Re: TX22-6430

I have no theories that sounds great. I would like to know what heart medication she says she's on, so we could make sure that doesn't somehow interfere? Otherwise, I'm not sure of any theories I'd be willing to put out there at this point. If you would give him a call that would be great, since I'm not actually working right now.

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

---

**From:** French, Geoffrey (MSP) <[FrenchG@michigan.gov](mailto:FrenchG@michigan.gov)>

**Sent:** Friday, August 19, 2022 1:20:43 PM

**To:** Kellogg, Samantha (MSP) <[KelloggS1@michigan.gov](mailto:KelloggS1@michigan.gov)>

**Cc:** Gill, Greta (MSP) <[GillG@michigan.gov](mailto:GillG@michigan.gov)>

**Subject:** FW: TX22-6430

Sam,

This is definitely an unusual situation. This is one of those samples that screened single + for THC-COOH, twice and confirmed > 100 ng/mL of THC-COOH. Do you have any theories about these test results? Delta-something coming from an edible or other cannabinoid-containing product?

If you would like, I'll reach out to Mr. Butler to have a discussion with him. I was planning to call him next week to discuss the testing on fatal biker investigation, but I can call him this afternoon instead.

Thanks,  
Geoff

Geoffrey French  
Toxicology Unit Supervisor  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
[REDACTED]



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**From:** Gill, Greta (MSP) <[GillG@michigan.gov](mailto:GillG@michigan.gov)>  
**Sent:** Friday, August 19, 2022 1:02 PM  
**To:** French, Geoffrey (MSP) <[FrenchG@michigan.gov](mailto:FrenchG@michigan.gov)>  
**Subject:** FW: TX22-6430

I haven't been super-involved in any discussions regarding this phenomenon so I don't have much advice to give her.

Greta Gill  
Toxicology Unit Supervisor  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
[REDACTED]

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*record and be subject to Freedom of Information Act requests.*

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**From:** Kellogg, Samantha (MSP) <[KelloggS1@michigan.gov](mailto:KelloggS1@michigan.gov)>  
**Sent:** Friday, August 19, 2022 12:59 PM  
**To:** Gill, Greta (MSP) <[GillG@michigan.gov](mailto:GillG@michigan.gov)>  
**Subject:** FW: TX22-6430

Greta,

I am forwarding this email to you to get your advice on how to respond.

Thank you,

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

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**From:** Butler, Kyle <[kbutler@ioniacounty.org](mailto:kbutler@ioniacounty.org)>  
**Sent:** Friday, August 19, 2022 12:20 PM  
**To:** Kellogg, Samantha (MSP) <[KelloggS1@michigan.gov](mailto:KelloggS1@michigan.gov)>  
**Subject:** TX22-6430

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Hello Ms. Kellogg,

Please see the attached lab report. I've seen a lot of these, obviously you've seen more. But the

results here are extremely curious to me, they seem rather high from what I'm used to seeing (even from admitted users involved in a crash). Furthermore, this subject is a 79-year-old female that [REDACTED] [REDACTED] no on scene observation of being under the influence, no paraphernalia in the car, was subsequently questioned by police about her lab results and she had no idea what they were talking about (no indication of deception on her part observed by police). Prior to her blood draw she did indicate that she's on heart medication.

Is there any chance that there could be an issue with this result/test? Interference/false positive from some kind of heart medication?

I'd appreciate any insight you can provide. Feel free to call if that's easier.

Thanks,

**Kyle Butler**  
**Prosecutor**  
**Ionia County**  
[REDACTED]

## Wilson, Jennifer (MSP)

---

**From:** Larrison, Ryan M. (MSP)  
**Sent:** Friday, September 2, 2022 4:30 PM  
**To:** Gill, Greta (MSP); French, Geoffrey (MSP); Geiger, Jordyn (MSP)  
**Cc:** Fillinger, Nicholas (MSP); Nye, Jeffrey V. (MSP); Bowen, John (MSP); Daniels, Gary (MSP); Wilson, Jennifer (MSP)  
**Subject:** FW: Notification of THC Issue

Greta and Geoff,

Mr. Janer, APA at Bay County, has a case in which sentencing has been taken under advisement by the judge. Mr. Janer is requesting that we send his sample for re-testing at NMS as soon as possible. This is very soon and I know a process is probably going to be developed further, but here is an early request.

Ryan

---

**From:** Ryan Janer <JanerR@baycounty.net>  
**Sent:** Friday, September 2, 2022 4:04 PM  
**To:** Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>  
**Subject:** Re: Notification of THC Issue

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Defendant: [REDACTED]  
Agency: MSP  
Incident No.: 30-410-20  
Laboratory No.: TX20-13314  
Date Received: September 15th, 2020  
Forensic Scientist: Jordyn Geiger

Please send sample for retesting ASAP. Thanks.

Ryan

*Ryan J. Janer*  
Assistant Prosecuting Attorney  
Bay County Prosecutor's Office  
1230 Washington Avenue, Suite 768  
Bay City, Michigan 48708  
P: (989) 895-4185  
F: (989) 895-4167  
[JanerR@baycounty.net](mailto:JanerR@baycounty.net)

**From:** Larrison, Ryan M. (MSP) <[LarrisonR@michigan.gov](mailto:LarrisonR@michigan.gov)>  
**Sent:** Wednesday, August 31, 2022 9:47 AM  
**To:** Ryan Janer <[JanerR@baycounty.net](mailto:JanerR@baycounty.net)>  
**Cc:** Fillinger, Nicholas (MSP) <[FillingerN@michigan.gov](mailto:FillingerN@michigan.gov)>  
**Subject:** Notification of THC Issue

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Ryan,

This was released to CJ stakeholders, including CDAM/SADO etc in the past ten minutes. Please feel free to share with Mr. Komorn and the judge.

Sincerely,

Inspector Ryan M. Larrison  
Quality Assurance Manager  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48910  
Office/Cell: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** French, Geoffrey (MSP)  
**Sent:** Tuesday, August 23, 2022 9:33 AM  
**To:** Fillinger, Nicholas (MSP)  
**Cc:** Gill, Greta (MSP); Kellogg, Samantha (MSP); Geiger, Jordyn (MSP); Beauchamp, Samantha (MSP)  
**Subject:** FW: TX22-6430

Nick,

This is the email string from the original communication that Sam got from Ionia County Prosecuting Attorney Kyle Butler and the pursuant emails between me and Sam.

I did call and speak with Mr. Butler in the late afternoon on Friday August 19, 2022. Mr. Butler and I discussed the test results and I did explain to him that the analysis on this case submission had been unusual because the screen results for THC-COOH had been substantially lower than the confirmation test results for THC-COOH. I explained to him that due to the discrepancy between the magnitude of the THC-COOH concentration on the screen and the THC-COOH concentration on the confirmation analysis that the screen had been repeated, but showed results the same (single +) as the original screen. I further advised that we had seen this phenomenon on one or two other cases, but that we had no explanation as to the cause of the discrepancy in THC-COOH concentration between the screen and the confirmation tests.

I asked Mr. Butler if he had any additional details that he was able to share with me that might help us solve the mystery of this discrepancy. He advised that the subject on MSP lab number TX22-6430 was an older lady (79 years old) who claimed to have never used marijuana and there was nothing about her appearance or behavior that suggested that she might be a marijuana user or was being untruthful about marijuana use. I asked Mr. Butler if there was any evidence or admission of use of any type of marijuana-related product that might contain other "cannabinoids", such as delta-8 THC (or other THC isomers), CBD, CBL, CBH, etc. Mr. Butler advised that there was no evidence or admission of use of any marijuana-related products.

I told Mr. Butler that the reason that there had been a drug screen on this case submission was because the FSD-093 submission form had the "drugs" box marked and the incident involved a fatal motor vehicle collision. I advised Mr. Butler to use the subject's behavior on the scene as a guide to determine if he thinks that DUID causing death charges were appropriate. He advised that the subject had not exhibited signs and symptoms consistent with an individual who was under the influence of cannabinoids or any other intoxicating substance and therefore he indicated that he didn't think that he was going to charge the subject with driving under the influence causing death. I agreed with Mr. Butler that it was an appropriate decision to not charge when there is no evidence of impairment.

After our meeting yesterday afternoon to discuss the CBD interference, I reached out to Mr. Butler to have another conversation with him regarding this case. Mr. Butler has not yet called me back this morning, but I intend to tell him about the experiment that Sam and Jordyn ran yesterday that showed that CBD can be "transformed" into THC when using PFPA and HFIP derivatizing reagents. I will let Mr. Butler know that there is a strong probability that CBD was "interfering" with the THC and presumably also the THC-COOH result due to the THC-COOH concentration discrepancy between screen and confirmation test on this case. I will let him know that CBD is not considered to be a psychoactive substance. I also plan to inquire again specifically about the subject's use of products containing CBD to determine if high levels of CBD in the blood could explain this phenomenon.

Thank you,  
Geoff

Geoffrey French  
Toxicology Unit Supervisor  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
[REDACTED]

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**From:** Kellogg, Samantha (MSP) <KelloggS1@michigan.gov>  
**Sent:** Friday, August 19, 2022 1:28 PM  
**To:** French, Geoffrey (MSP) <FrenchG@michigan.gov>  
**Subject:** Re: TX22-6430

Another thing: possibly ask if she uses CBD. <https://www.cannabissciencetech.com/view/a-brief-review-of-derivatization-chemistries-for-the-analysis-of-cannabinoids-using-gc-ms>

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

---

**From:** Kellogg, Samantha (MSP) <[KelloggS1@michigan.gov](mailto:KelloggS1@michigan.gov)>  
**Sent:** Friday, August 19, 2022 1:23:53 PM  
**To:** French, Geoffrey (MSP) <[FrenchG@michigan.gov](mailto:FrenchG@michigan.gov)>  
**Subject:** Re: TX22-6430

I have no theories that sounds great. I would like to know what heart medication she says she's on, so we could make sure that doesn't somehow interfere? Otherwise, I'm not sure of any theories I'd be willing to put out there at this point. If you would give him a call that would be great, since I'm not actually working right now.

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology

Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

---

**From:** French, Geoffrey (MSP) <[FrenchG@michigan.gov](mailto:FrenchG@michigan.gov)>  
**Sent:** Friday, August 19, 2022 1:20:43 PM  
**To:** Kellogg, Samantha (MSP) <[KelloggS1@michigan.gov](mailto:KelloggS1@michigan.gov)>  
**Cc:** Gill, Greta (MSP) <[GillG@michigan.gov](mailto:GillG@michigan.gov)>  
**Subject:** FW: TX22-6430

Sam,

This is definitely an unusual situation. This is one of those samples that screened single + for THC-COOH, twice and confirmed > 100 ng/mL of THC-COOH. Do you have any theories about these test results? Delta-something coming from an edible or other cannabinoid-containing product?

If you would like, I'll reach out to Mr. Butler to have a discussion with him. I was planning to call him next week to discuss the testing on fatal biker investigation, but I can call him this afternoon instead.

Thanks,  
Geoff

Geoffrey French  
Toxicology Unit Supervisor  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
[REDACTED]

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**From:** Gill, Greta (MSP) <[GillG@michigan.gov](mailto:GillG@michigan.gov)>  
**Sent:** Friday, August 19, 2022 1:02 PM



**To:** French, Geoffrey (MSP) <[FrenchG@michigan.gov](mailto:FrenchG@michigan.gov)>

**Subject:** FW: TX22-6430

I haven't been super-involved in any discussions regarding this phenomenon so I don't have much advice to give her.

Greta Gill  
Toxicology Unit Supervisor  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
[REDACTED]

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**From:** Kellogg, Samantha (MSP) <[KelloggS1@michigan.gov](mailto:KelloggS1@michigan.gov)>

**Sent:** Friday, August 19, 2022 12:59 PM

**To:** Gill, Greta (MSP) <[GillG@michigan.gov](mailto:GillG@michigan.gov)>

**Subject:** FW: TX22-6430

Greta,

I am forwarding this email to you to get your advice on how to respond.

Thank you,

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

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From: Butler, Kyle <[kbutler@ioniacounty.org](mailto:kbutler@ioniacounty.org)>  
Sent: Friday, August 19, 2022 12:20 PM  
To: Kellogg, Samantha (MSP) <[KelloggS1@michigan.gov](mailto:KelloggS1@michigan.gov)>  
Subject: TX22-6430

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Hello Ms. Kellogg,

Please see the attached lab report. I've seen a lot of these, obviously you've seen more. But the results here are extremely curious to me, they seem rather high from what I'm used to seeing (even from admitted users involved in a crash). Furthermore, this subject is a 79-year-old female that [REDACTED] no on scene observation of being under the influence, no paraphernalia in the car, was subsequently questioned by police about her lab results and she had no idea what they were talking about (no indication of deception on her part observed by police). Prior to her blood draw she did indicate that she's on heart medication.

Is there any chance that there could be an issue with this result/test? Interference/false positive from some kind of heart medication?

I'd appreciate any insight you can provide. Feel free to call if that's easier.

Thanks,

**Kyle Butler**  
**Prosecutor**  
**Ionia County**  
[REDACTED]

## Wilson, Jennifer (MSP)

---

**From:** French, Geoffrey (MSP)  
**Sent:** Friday, September 2, 2022 10:10 AM  
**To:** Wilson, Jennifer (MSP)  
**Cc:** Gill, Greta (MSP)  
**Subject:** FW: CAR on THC and CBD

Jennifer,

Sorry, I was wrong. I also have this email that Nick had sent regarding an experiment that he was requesting to be run. I'll also forward you the email that Sam Kellogg sent as a follow-up which included the data from the experiment.

There is additional data from previous experiments that I will ask Sam to send to you on Tuesday. As far as I know, this is the only data regarding this issue which was sent through email.

Thanks,  
Geoff

Geoffrey French  
Toxicology Unit Supervisor  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
[REDACTED]

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**From:** Kellogg, Samantha (MSP) <KelloggS1@michigan.gov>  
**Sent:** Thursday, August 25, 2022 12:24 PM  
**To:** Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>; French, Geoffrey (MSP) <FrenchG@michigan.gov>; Gill, Greta (MSP) <GillG@michigan.gov>  
**Cc:** Geiger, Jordyn (MSP) <GeigerJ@michigan.gov>  
**Subject:** RE: CAR on THC and CBD

I will do this Monday.

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

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**From:** Fillinger, Nicholas (MSP) <[FillingerN@michigan.gov](mailto:FillingerN@michigan.gov)>  
**Sent:** Thursday, August 25, 2022 9:36 AM  
**To:** French, Geoffrey (MSP) <[FrenchG@michigan.gov](mailto:FrenchG@michigan.gov)>; Gill, Greta (MSP) <[GillG@michigan.gov](mailto:GillG@michigan.gov)>  
**Cc:** Kellogg, Samantha (MSP) <[KelloggS1@michigan.gov](mailto:KelloggS1@michigan.gov)>; Geiger, Jordyn (MSP) <[GeigerJ@michigan.gov](mailto:GeigerJ@michigan.gov)>  
**Subject:** CAR on THC and CBD

Geoff, Greta,

For the CAR that I'm opening, I want to have objective proof of the % conversion of CBD to THC. I know that we've estimated it, based upon the 20 ng/mL CBD control that was analyzed, but I want to have more than an estimate.

Jordyn, Sam,

Would one of you please analyze a batch of cannabinoids with the following:

- Calibration curve
- Controls
- 5 ng/mL CBD extracted in triplicate
- 20 ng/mL CBD extracted in triplicate
- 40 ng/mL CBD extracted in triplicate

I imagine that your first question may be why am I doing this. When I'm asked how I objectively know that the CBD was converted to THC, I have the proof that I need. When I'm asked if I have any idea about the conversion rate, I have to be able to say more than it was estimated. I know this is some additional work for you, I appreciate your efforts.

Thank you,

Nicholas Fillinger  
Toxicology Technical Leader  
Michigan State Police

Forensic Science Division  
7320 N Canal Rd  
Lansing, MI 48913

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## Wilson, Jennifer (MSP)

---

**From:** Beauchamp, Samantha (MSP)  
**Sent:** Tuesday, September 6, 2022 11:04 AM  
**To:** Sabrina Hussein  
**Subject:** RE: Lab No: TX22-10457

Good morning!

I did a confirmation test of what we call "LCDOA Drugs" which includes things like cocaine, fentanyl and buprenorphine and I wasn't able to confirm any of those analytes. So it's essentially a negative report. If you need anything else, please give me a call and we can discuss it further.

As for THC analysis, we have stopped our testing and are in the process of validating a new procedure. If you have current samples, please continue to send them in and we will eventually process them or if you have an immediate need you can call my supervisor, Geoff French for further options. Again, any questions please feel free to ask. Thanks! ~Sami

Samantha Beauchamp  
Forensic Scientist  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: 517-204-7732

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**From:** Sabrina Hussein <shussei2@emich.edu>  
**Sent:** Monday, August 29, 2022 5:45  
**To:** Beauchamp, Samantha (MSP) <beauchamps@michigan.gov>  
**Subject:** Lab No: TX22-10457

---

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Hi Samantha,

I got lab results for Agency No: 22-3476 - Laboratory No: TX22-10457 that I don't understand. Record No. 3 says: not detected: LC-DOA drugs. Would you be able to explain this to me?

Also, I heard a rumor that THC is no longer being tested? Can you please advise.

Thanks,

--

Officer Sabrina Hussein  
Patrol Officer  
Eastern Michigan University Police Department  
1200 Oakwood St,  
Ypsilanti, MI 48197  
Main: 734.487.1222

## Wilson, Jennifer (MSP)

---

**From:** Beauchamp, Samantha (MSP)  
**Sent:** Wednesday, August 24, 2022 4:07 PM  
**To:** Lauren Wickman  
**Subject:** [REDACTED] [REDACTED]

Ms. Wickman,  
Can I schedule a meeting with you about this case with my lab director for tomorrow morning please? Thank you! ~Sami

Samantha Beauchamp  
Forensic Scientist  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** Wilson, Jennifer (MSP)  
**Sent:** Thursday, September 1, 2022 4:36 PM  
**To:** Nye, Jeffrey V. (MSP); Daniels, Gary (MSP); Bowen, John (MSP)  
**Cc:** Larrison, Ryan M. (MSP)  
**Subject:** RE: DRAFT prosecutor letter

Hi Jeff,

I made some edits to the letter as an option to consider:

*Dear Prosecutor's Name:*

This letter is to inform you of a recent internal review of the Forensic Science Division's Toxicology THC confirmatory procedure and the subsequent reports that were issued with positive THC results. The time frame encompassed by this review dates back to March 28th, 2019, when CBD became legal under Michigan law. It was recently determined that toxicology THC results may be the result of THC only, both THC and CBD, or CBD alone. A review of laboratory information indicates the attached cases have a reported THC and/or THC-COOH value. These cases also have no other drugs reported from our toxicology screening assay and alcohol not detected or less than the 0.08% per se threshold, making the THC reported result the only positive result.

If you feel that you have received this letter in error or have further question, please contact Mr. Geoffrey French, Lab Manager, at [REDACTED] or Ms. Greta Gill, Lab Manager, at [REDACTED].

Jennifer Wilson  
Assistant Laboratory Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

---

**From:** Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>  
**Sent:** Wednesday, August 31, 2022 2:39 PM  
**To:** Daniels, Gary (MSP) <DanielsG@michigan.gov>; Wilson, Jennifer (MSP) <WilsonJ25@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>  
**Cc:** Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>  
**Subject:** DRAFT prosecutor letter

Just trying to get a version started so that people can put their comments/improvements in place:

*Dear Prosecutor's Name:*

This letter is to inform you of an internal review of toxicology reports that have a reported THC result since March 28th, 2019, when CBD became legal under Michigan law. It was determined that toxicology THC results may be the result of THC, THC and CBD, or CBD alone. A review of laboratory information indicates the attached cases have a reported THC value and have no other drugs reported from our toxicology screening assay and alcohol less than the 0.08% threshold.

If you feel that you have received this letter in error or have further question, please contact Mr. Geoffrey French, Lab Manager, at [REDACTED] or Ms. Greta Gill, Lab Manager, at [REDACTED].

Sincerely...

Jeffrey V. Nye  
Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
CELL: [REDACTED]

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**From:** [Geiger, Jordyn \(MSP\)](#)  
**To:** [Tarango, Felix](#)  
**Subject:** People v. Schafer, Case No: D2100771  
**Date:** Thursday, August 25, 2022 11:48:00  
**Attachments:** [image001.png](#)

---

Good morning,

Do you have time to talk about this case for next week some time today? I'd like to discuss the results with you at your earliest convenience.

Thank you,

Jordyn Geiger  
Forensic Scientist-Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
[REDACTED]

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**From:** [French, Geoffrey \(MSP\)](#)  
**To:** [Fillinger, Nicholas \(MSP\)](#); [Gill, Greta \(MSP\)](#)  
**Subject:** RE: additional cannabinoid information  
**Date:** Monday, August 22, 2022 12:08:40 PM  
**Attachments:** [image002.png](#)  
[image003.png](#)

---

Nick,

Thank you for the update and I agree with this plan of action. Greta and I spoke briefly this morning with Sam, Jordyn and Sami regarding this issue.

We will all need to work as a team to get the validation completed, but I'm confident that we can get an LCMSMS confirmation procedure validated on this expedited time frame.

Thanks,  
Geoff

Geoffrey French  
Toxicology Unit Supervisor  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  


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---

**From:** Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>  
**Sent:** Monday, August 22, 2022 9:59 AM  
**To:** French, Geoffrey (MSP) <FrenchG@michigan.gov>; Gill, Greta (MSP) <GillG@michigan.gov>  
**Subject:** additional cannabinoid information

Geoff, Greta,

I just met with Sam and Jordyn via Teams. They wanted to share some information about a recent case that they are investigating, and a proposal for a study that they want to do. I approved their study, it's really important. They're going to do some work with CBD and our current derivatizing reagent.

They also shared that there are currently issues with retention time on GC/MS2 and 6, and 12 is still not up and going yet. Apparently, Sami's batch barely made it through because the RT had shifted out so much.

Based upon all of this new information, I think we should reverse course on the validation of GC/MS 12, and not do it, and begin full-speed with the validation the LC method. I also do not think we should continue to run batches on GC (depending on the results of their study that may be the case anyway). My goal would be to have that method validated, with protocol and worksheets done, in 45-ish days, by 10/1. I will make going through that data my priority. Your backlog would increase for cannabinoids during that period, by about 3 batches per week. Sam and Jordyn estimate that when the LC method is up, using a quicker SLE extraction, and having Logan, Sam, Tabitha and themselves competent, they'd catch up with all cannabinoid cases in 3-4 weeks. This is of course if you agree with making sure that they are primarily doing the cannabinoid assay and other people in the unit are picking up the other assays.

What do you guys think? Backlog and case assignment are your call.

Thanks,

Nicholas Fillinger  
Toxicology Technical Leader  
Michigan State Police  
Forensic Science Division  
7320 N Canal Rd  
Lansing, MI 48913  
[REDACTED]

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**From:** [French, Geoffrey \(MSP\)](#)  
**To:** [Bowen, John \(MSP\)](#); [White, Eric](#); [Fillinger, Nicholas \(MSP\)](#); [Gill, Greta \(MSP\)](#)  
**Cc:** [Daniels, Gary \(MSP\)](#); [Wilson, Jennifer \(MSP\)](#)  
**Subject:** RE: Expert Services clarification questions  
**Date:** Thursday, September 1, 2022 12:59:13 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[image004.png](#)  
[image005.png](#)  
[image006.png](#)

---

Hi Eric,

We just had a meeting to discuss the questions below. I have copied the questions and the answers are in red.

- What is your frequency of receiving subpoenas for testimony – does this occur on all cases, most cases, moderate, or smaller % of cases? How often do you get to court and then the case is dismissed the same day of the cases tested, what is the percentage of subpoenas received for those cases? In the first six months of 2022, Toxicology Unit personnel have received 1,635 subpoenas and have provided testimony 52 times, including 6 video testimonies. We are subpoenaed on approximately 10% of the reports generated and we provide testimony on approximately 3% of the subpoenas received. Approximately 20% of the time that an analyst is subpoenaed and has traveled to court to provide testimony, their testimony ends up not being needed because of a stipulation, plea, adjournment, etc.
- Do they leverage the use of a certified lab report or affidavits, to minimize the need for in-person testimony? If it is yes, could you provide an example? No, we do not use certified lab reports or affidavits to minimize the need for in-person testimony.
- Do they use any unique statement on their lab report to be admissible in court? No, there is no unique statement on the laboratory reports that is required to make them admissible in court.

Will video testimony be allowed in certain jurisdictions and under what rules or requirements? Video testimony is allowed in Michigan courts, but it must be agreed upon by all parties. Six of the 52 (11%) testimonies done by Toxicology Unit analysts in the first six months of 2022 were video testimonies.

- Who is responsible for paying for expert services? Probably the Michigan State Police Forensic Science Division, assuming that we decide to add that service into the contract. We would like to see the pricing for the testing both with and without expert services included.
- What does your standard litigation package consist of that you prepare for court? There is no standard litigation package, but if an attorney requested a litigation packet through a FOIA or discovery request, the laboratory would include all of the electronic case contents, including chromatography/mass spectral data along with all

of the data for the calibration and control samples that were included in the batch for that specific analysis.

- Is there any case precedent within the state that allows for the toxicologist of signature to testify as both an expert witness testifying to the interpretation of the analytical results as well as a fact witness specifically pertaining to the actual chain-of-custody, analytical work, and procedures? (6th amendment and the right to confront)  
No, there is no case law in the state of Michigan pertaining to this issue. It is usually handled on a case by case basis at the discretion of the individual court.
- How are you planning on handling cases that are scheduled to go to court for these tests? Presumably the court is going to subpoena at least one person from the MSP Toxicology Unit, as there will definitely be at least one laboratory report published regarding the alcohol results. MSP Toxicology Unit personnel would be subpoenaed to testify about the chain of custody at the MSP lab, the logistics of sending the specimens to NMS Labs and any other technical questions regarding the testing that was done here. If there are technical or interpretation questions specific to the NMS Labs test results, those questions would need to be answered by someone from NMS Labs. Subpoenas for NMS labs personnel presumably would be directed to NMS Labs Expert Services by the prosecuting attorney's offices in Michigan.
  - Will you retest those that are positive or will NMS Labs be the one to testify for these cases? At this time, there is no plan to re-tests those cases that are positive.

Hopefully the answers to the questions that were posed have sufficient detail. Please do not hesitate to contact us if you have follow-up questions.

A few questions that we have:

1. Do the NMS Labs reports no longer bear the signature of the certifying scientist?
2. In the outsourcing project that we did with NMS Labs in 2013, all of the laboratory reports that were generated were signed by two certifying scientists who resided in Michigan. Would it be possible to do that again with these tests?
3. What is the most convenient quantity and schedule for NMS Labs to receive the blood specimens? Boxes of 50, 100, 500. Other? Weekly, multiple times a week, other?
4. Is there shipping packaging that you recommend?
5. Is room temperature shipping acceptable? The test specs indicate that refrigeration temperature is only required for clinical submissions.

Please let me know if there is anything else that you need from us at this time to expedite this project.

Thank you,  
Geoff

Geoffrey French  
Toxicology Unit Supervisor  
Forensic Science Division



Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
[REDACTED]

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**From:** Bowen, John (MSP) <BowenJ1@michigan.gov>

**Sent:** Wednesday, August 31, 2022 2:41 PM

**To:** White, Eric <Eric.White@NMSLABS.COM>; Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>; Gill, Greta (MSP) <GillG@michigan.gov>; French, Geoffrey (MSP) <FrenchG@michigan.gov>

**Cc:** Daniels, Gary (MSP) <DanielsG@michigan.gov>; Wilson, Jennifer (MSP) <WilsonJ25@michigan.gov>

**Subject:** RE: Expert Services clarification questions

Adding the rest of the team, to make sure you get the best possible answers.

Inspector John Bowen  
Assistant Division Commander, Operations Manager  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

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---

**From:** White, Eric <[Eric.White@NMSLABS.COM](mailto:Eric.White@NMSLABS.COM)>

**Sent:** Wednesday, August 31, 2022 12:01 PM

**To:** Bowen, John (MSP) <[BowenJ1@michigan.gov](mailto:BowenJ1@michigan.gov)>

**Subject:** Expert Services clarification questions

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John,

My operations department is asking the following questions if you can answer them. Sorry for the questions but this came from expert services to clarify.

- What is your frequency of receiving subpoenas for testimony – does this occur on all cases, most cases, moderate, or smaller % of cases? How often do you get to court and then the case is dismissed the same day of the cases tested, what is the percentage of subpoenas received for those cases?
- Do they leverage the use of a certified lab report or affidavits, to minimize the need for in-person testimony? If it is yes, could you provide an example?
- Do they use any unique statement on their lab report to be admissible in court?

Will video testimony be allowed in certain jurisdictions and under what rules or requirements?

- Who is responsible for paying for expert services?
- What does your standard litigation package consist of that you prepare for court?
- Is there any case precedent within the state that allows for the toxicologist of signature to testify as both an expert witness testifying to the interpretation of the analytical results as well as a fact witness specifically pertaining to the actual chain-of-custody, analytical work, and procedures? (6th amendment and the right to confront)
- How are you planning on handling cases that are scheduled to go to court for these tests?
  - Will you retest those that are positive or will NMS Labs be the one to testify for these cases?

Thanks,



**Eric White**

Sr. Territory Manager

Office: +1.215.205.1359

[eric.white@nmslabs.com](mailto:eric.white@nmslabs.com)



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Browse our entire test catalog: [www.nmslabs.com](http://www.nmslabs.com)

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**From:** [Gill, Greta \(MSP\)](#)  
**To:** [rlindquist@hollypolice.com](mailto:rlindquist@hollypolice.com)  
**Cc:** [Kellogg, Samantha \(MSP\)](#)  
**Subject:** RE: Ref Case # TX22-7962  
**Date:** Tuesday, September 6, 2022 9:43:00 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)

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Ofc. Lindquist,

MSP is getting an account set up with National Medical Services to send out a lot of our THC backlog, as well as any other requests such as yours for a retest. I do not know how long it will take to get that set up, so if you want it done sooner, it would be at your expense and I can send you the submission forms to get an account set up. Please let me know how you wish to proceed.

Thank you,

Greta Gill  
Toxicology Unit Supervisor  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
[REDACTED]

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**From:** Gill, Greta (MSP)  
**Sent:** Monday, August 29, 2022 8:40 AM  
**To:** [rlindquist@hollypolice.com](mailto:rlindquist@hollypolice.com)  
**Cc:** Kellogg, Samantha (MSP) <[KelloggS1@michigan.gov](mailto:KelloggS1@michigan.gov)>  
**Subject:** RE: Ref Case # TX22-7962

Ofc. Lindquist,

We hold all evidence for 2 years from date of receipt. I am making a note that you would like this sample retested. At this point, I do not know if cases are getting sent out for testing at a private

laboratory or if they're waiting for our new procedure (that does not have this CBD issue) to come online.

This is a fluid situation and I apologize for not having additional information at this time.

Thank you,

Greta Gill  
Toxicology Unit Supervisor  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
[REDACTED]

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**From:** Kellogg, Samantha (MSP) <[KelloggS1@michigan.gov](mailto:KelloggS1@michigan.gov)>

**Sent:** Monday, August 29, 2022 8:21 AM

**To:** Gill, Greta (MSP) <[GillG@michigan.gov](mailto:GillG@michigan.gov)>

**Subject:** FW: Ref Case # TX22-7962

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

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**From:** Richard Lindquist <[rlindquist@hollypolice.com](mailto:rlindquist@hollypolice.com)>  
**Sent:** Friday, August 26, 2022 1:13 PM  
**To:** Kellogg, Samantha (MSP) <[KelloggS1@michigan.gov](mailto:KelloggS1@michigan.gov)>  
**Subject:** Ref Case # TX22-7962

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Good afternoon;

I have been notified by the Oakland County Prosecutor that the warrant associated with this case has been denied due to unreliability in the crime lab being able to determining the difference between THC and CBD.

I am requesting that the blood in this matter please be held in safe storage until this matter can be resolved and the blood can be re-tested. Thank you.

R. Lindquist #817  
Police Officer  
Village of Holly Police Department  
315 S. Broad St.  
Holly, MI, 48442  
Tx: 248-634-8221  
Fax: 248-634-2864  
Dispatch: 248-858-4911  
Email: [rlindquist@hollypolice.com](mailto:rlindquist@hollypolice.com)

**From:** [Fillinger, Nicholas \(MSP\)](#)  
**To:** [Geiger, Jordyn \(MSP\)](#)  
**Cc:** [Gill, Greta \(MSP\)](#); [French, Geoffrey \(MSP\)](#); [Kellogg, Samantha \(MSP\)](#)  
**Subject:** RE: THC/CBD Experiment  
**Date:** Wednesday, August 24, 2022 12:09:10 PM  
**Attachments:** [2019- Hart- Cannabinoid Metabolites Pose Analytical Challenges in Urine Drug Testing Laboratories.pdf](#)  
[image001.png](#)

---

Thank you, I appreciate you doing that.

I have a couple of articles that I've requested from the library that I'll share when I get them.

In the meantime, if you haven't come across this one, it's more information to add.

Nick

---

**From:** Geiger, Jordyn (MSP) <GeigerJ@michigan.gov>  
**Sent:** Wednesday, August 24, 2022 9:22 AM  
**To:** Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>  
**Cc:** Gill, Greta (MSP) <GillG@michigan.gov>; French, Geoffrey (MSP) <FrenchG@michigan.gov>; Kellogg, Samantha (MSP) <KelloggS1@michigan.gov>  
**Subject:** THC/CBD Experiment

Nick,

Attached is the write up that you asked for. Sam also reviewed it for me. Please let us know if you have any questions.

Thank you,

Jordyn Geiger  
Forensic Scientist-Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
[REDACTED]

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**From:** [Fillinger, Nicholas \(MSP\)](#)  
**To:** [Kellogg, Samantha \(MSP\)](#); [French, Geoffrey \(MSP\)](#); [Gill, Greta \(MSP\)](#)  
**Subject:** RE: THC/Court  
**Date:** Wednesday, August 24, 2022 12:28:53 PM  
**Attachments:** [image001.png](#)

---

Working on it, will let you know hopefully in a couple of days. The message has to basically go through all of MSP.

I'll let you know immediately when something is crafted.

---

**From:** Kellogg, Samantha (MSP) <KelloggS1@michigan.gov>  
**Sent:** Wednesday, August 24, 2022 12:27 PM  
**To:** French, Geoffrey (MSP) <FrenchG@michigan.gov>; Gill, Greta (MSP) <GillG@michigan.gov>; Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>  
**Subject:** THC/Court

All,

What should we be telling prosecutors on upcoming THC trials? I have 2 (and a half) next week that I'll need to tell something. Didn't know if we had or could get an official message so I'm not going rogue.

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

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**From:** [Geiger, Jordyn \(MSP\)](#)  
**To:** [DeSantis, Jason](#)  
**Subject:** RE: Lab No. TX 21-7235  
**Date:** Thursday, September 1, 2022 13:44:00  
**Attachments:** [image001.png](#)  
[image002.png](#)


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Good afternoon,

The issue identified in our lab was that CBD in the blood may have inadvertently been converted to THC. So there are several possibilities, the THC result may be from THC alone, a combination of CBD and THC, or CBD only that was inadvertently converted to THC.

I just went and looked at the tubes and confirmed that we do still have them. There wasn't a lot of blood sent in on this case, but there should be enough for retesting purposes. We are currently retaining all blood tubes until further notice. Please let me know if you have additional questions.

Thank you,

Jordyn Geiger  
Forensic Scientist-Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  


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**From:** DeSantis, Jason <desantisj@oakgov.com>  
**Sent:** Thursday, September 1, 2022 10:10  
**To:** Geiger, Jordyn (MSP) <GeigerJ@michigan.gov>  
**Subject:** Lab No. TX 21-7235

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Good morning!

I have a OWI-THC case. In light of the announcement re: the issues discerning between marijuana and CBD, I was hoping you might be able to help me out on Lab TX 21-7235.

This lab came back as 39 ng/mL THC. Am I correct that this result cannot be distinguished between CBD and marijuana? I was a little confused by the report – my understanding, which is obviously wrong, is that CBD didn't have active THC in it, which is why it could be sold as it is.

Secondly, do we still have the blood sample on this case, in the event we want to send it out to be tested elsewhere?

Thanks very much!



**Jason M. DeSantis**

Assistant Prosecuting Attorney

Circuit Court Division

Oakland County Prosecutor



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**From:** [Nye, Jeffrey V. \(MSP\)](#)  
**To:** [Bowen, John \(MSP\)](#); [Larrison, Ryan M. \(MSP\)](#); [Daniels, Gary \(MSP\)](#); [Wilson, Jennifer \(MSP\)](#); [Fillinger, Nicholas \(MSP\)](#); [French, Geoffrey \(MSP\)](#); [Gill, Greta \(MSP\)](#); [Geiger, Jordyn \(MSP\)](#); [Beauchamp, Samantha \(MSP\)](#); [Kellogg, Samantha \(MSP\)](#); [Bennett, Diane \(MSP\)](#); [Albertson, Logan \(MSP\)](#)  
**Subject:** THC-Legal Hold on relevant documentation/materials  
**Date:** Thursday, September 1, 2022 12:01:55 PM  
**Attachments:** [image001.png](#)  
**Importance:** High

---

Just wanted to inform everyone that the AG's office has placed a "legal hold" on all responsive documents related to the current THC issue. From the AG's legal hold document...based on an initial review, Potential Evidence in this case that must be preserved includes, but is not necessarily limited to, the following:

1. Any communications, reports, analysis, policies, procedures, etc related to the testing of blood for THC.
2. The actual blood samples that have been tested by the MSP lab for THC, going back to March 2019, to the extent they are still available.
3. Any documentation regarding the MSP lab accreditation, audits of the lab, etc.
4. Any communications or documents regarding the identification of the issue where MSP believes that its lab results show blood samples testing positive for THC when only CBD is present. This includes communications with prosecutors, other law enforcement agencies and any other entities that MSP communicated with regarding the issue.

You are required to maintain these items until further notification.

Jeff

Jeffrey V. Nye  
Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
CELL: [REDACTED]

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**From:** [French, Geoffrey \(MSP\)](#)  
**To:** [Fillinger, Nicholas \(MSP\)](#)  
**Cc:** [Gill, Greta \(MSP\)](#); [Kellogg, Samantha \(MSP\)](#); [Geiger, Jordyn \(MSP\)](#); [Beauchamp, Samantha \(MSP\)](#)  
**Subject:** FW: TX22-6430  
**Date:** Tuesday, August 23, 2022 9:32:53 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)

---

Nick,

This is the email string from the original communication that Sam got from Ionia County Prosecuting Attorney Kyle Butler and the pursuant emails between me and Sam.

I did call and speak with Mr. Butler in the late afternoon on Friday August 19, 2022. Mr. Butler and I discussed the test results and I did explain to him that the analysis on this case submission had been unusual because the screen results for THC-COOH had been substantially lower than the confirmation test results for THC-COOH. I explained to him that due to the discrepancy between the magnitude of the THC-COOH concentration on the screen and the THC-COOH concentration on the confirmation analysis that the screen had been repeated, but showed results the same (single +) as the original screen. I further advised that we had seen this phenomenon on one or two other cases, but that we had no explanation as to the cause of the discrepancy in THC-COOH concentration between the screen and the confirmation tests.

I asked Mr. Butler if he had any additional details that he was able to share with me that might help us solve the mystery of this discrepancy. He advised that the subject on MSP lab number TX22-6430 was an older lady (79 years old) who claimed to have never used marijuana and there was nothing about her appearance or behavior that suggested that she might be a marijuana user or was being untruthful about marijuana use. I asked Mr. Butler if there was any evidence or admission of use of any type of marijuana-related product that might contain other “cannabinoids”, such as delta-8 THC (or other THC isomers), CBD, CBL, CBH, etc. Mr. Butler advised that there was no evidence or admission of use of any marijuana-related products.

I told Mr. Butler that the reason that there had been a drug screen on this case submission was because the FSD-093 submission form had the “drugs” box marked and the incident involved a fatal motor vehicle collision. I advised Mr. Butler to use the subject’s behavior on the scene as a guide to determine if he thinks that DUID causing death charges were appropriate. He advised that the subject had not exhibited signs and symptoms consistent with an individual who was under the influence of cannabinoids or any other intoxicating substance and therefore he indicated that he didn’t think that he was going to charge the subject with driving under the influence causing death. I agreed with Mr. Butler that it was an appropriate decision to not charge when there is no evidence of impairment.

After our meeting yesterday afternoon to discuss the CBD interference, I reached out to Mr. Butler to have another conversation with him regarding this case. Mr. Butler has not yet called me back this morning, but I intend to tell him about the experiment that Sam and Jordyn ran yesterday that showed that CBD can be “transformed” into THC when using PFPA and HFIP derivatizing reagents. I will let Mr. Butler know that there is a strong probability that CBD was “interfering” with the THC

and presumably also the THC-COOH result due to the THC-COOH concentration discrepancy between screen and confirmation test on this case. I will let him know that CBD is not considered to be a psychoactive substance. I also plan to inquire again specifically about the subject's use of products containing CBD to determine if high levels of CBD in the blood could explain this phenomenon.

Thank you,  
Geoff

Geoffrey French  
Toxicology Unit Supervisor  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
[REDACTED]

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**From:** Kellogg, Samantha (MSP) <KelloggS1@michigan.gov>  
**Sent:** Friday, August 19, 2022 1:28 PM  
**To:** French, Geoffrey (MSP) <FrenchG@michigan.gov>  
**Subject:** Re: TX22-6430

Another thing: possibly ask if she uses CBD. <https://www.cannabissciencetech.com/view/a-brief-review-of-derivatization-chemistries-for-the-analysis-of-cannabinoids-using-gc-ms>

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.

Lansing, MI 48913

TX: [REDACTED]

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**From:** Kellogg, Samantha (MSP) <[KelloggS1@michigan.gov](mailto:KelloggS1@michigan.gov)>

**Sent:** Friday, August 19, 2022 1:23:53 PM

**To:** French, Geoffrey (MSP) <[FrenchG@michigan.gov](mailto:FrenchG@michigan.gov)>

**Subject:** Re: TX22-6430

I have no theories that sounds great. I would like to know what heart medication she says she's on, so we could make sure that doesn't somehow interfere? Otherwise, I'm not sure of any theories I'd be willing to put out there at this point. If you would give him a call that would be great, since I'm not actually working right now.

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

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**From:** French, Geoffrey (MSP) <[FrenchG@michigan.gov](mailto:FrenchG@michigan.gov)>

**Sent:** Friday, August 19, 2022 1:20:43 PM

**To:** Kellogg, Samantha (MSP) <[KelloggS1@michigan.gov](mailto:KelloggS1@michigan.gov)>

**Cc:** Gill, Greta (MSP) <[GillG@michigan.gov](mailto:GillG@michigan.gov)>

**Subject:** FW: TX22-6430

Sam,

This is definitely an unusual situation. This is one of those samples that screened single + for THC-COOH, twice and confirmed > 100 ng/mL of THC-COOH. Do you have any theories about these test results? Delta-something coming from an edible or other cannabinoid-containing product?

If you would like, I'll reach out to Mr. Butler to have a discussion with him. I was planning to call him next week to discuss the testing on fatal biker investigation, but I can call him this afternoon instead.

Thanks,  
Geoff

Geoffrey French  
Toxicology Unit Supervisor  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
[REDACTED]



"A **PROUD** tradition of **SERVICE** through **EXCELLENCE, INTEGRITY,** and **COURTESY**"



*Your opinion is very important to us. Please take a few moments to complete a brief survey at the following link: [MSP Forensic Science Division Customer Service Survey](#)*

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**From:** Gill, Greta (MSP) <[GillG@michigan.gov](mailto:GillG@michigan.gov)>  
**Sent:** Friday, August 19, 2022 1:02 PM  
**To:** French, Geoffrey (MSP) <[FrenchG@michigan.gov](mailto:FrenchG@michigan.gov)>  
**Subject:** FW: TX22-6430

I haven't been super-involved in any discussions regarding this phenomenon so I don't have much advice to give her.

Greta Gill  
Toxicology Unit Supervisor  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
[REDACTED]

"A **PROUD** tradition of **SERVICE** through **EXCELLENCE, INTEGRITY,** and **COURTESY**"



*Your opinion is very important to us. Please take a few moments to complete a brief survey at the following link: [MSP Forensic Science Division Customer Service Survey](#)*

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*record and be subject to Freedom of Information Act requests.*

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**From:** Kellogg, Samantha (MSP) <[KelloggS1@michigan.gov](mailto:KelloggS1@michigan.gov)>  
**Sent:** Friday, August 19, 2022 12:59 PM  
**To:** Gill, Greta (MSP) <[GillG@michigan.gov](mailto:GillG@michigan.gov)>  
**Subject:** FW: TX22-6430

Greta,

I am forwarding this email to you to get your advice on how to respond.

Thank you,

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

**“A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY”**



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**From:** Butler, Kyle <[kbutler@ioniacounty.org](mailto:kbutler@ioniacounty.org)>  
**Sent:** Friday, August 19, 2022 12:20 PM  
**To:** Kellogg, Samantha (MSP) <[KelloggS1@michigan.gov](mailto:KelloggS1@michigan.gov)>  
**Subject:** TX22-6430

|                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>CAUTION: This is an External email. Please send suspicious emails to <a href="mailto:abuse@michigan.gov">abuse@michigan.gov</a></b> |
|----------------------------------------------------------------------------------------------------------------------------------------|

Hello Ms. Kellogg,

Please see the attached lab report. I've seen a lot of these, obviously you've seen more. But the

results here are extremely curious to me, they seem rather high from what I'm used to seeing (even from admitted users involved in a crash). Furthermore, this subject is a 79-year-old female that [REDACTED] no on scene observation of being under the influence, no paraphernalia in the car, was subsequently questioned by police about her lab results and she had no idea what they were talking about (no indication of deception on her part observed by police). Prior to her blood draw she did indicate that she's on heart medication.

Is there any chance that there could be an issue with this result/test? Interference/false positive from some kind of heart medication?

I'd appreciate any insight you can provide. Feel free to call if that's easier.

Thanks,

**Kyle Butler**  
**Prosecutor**  
**Ionia County**  
[REDACTED]

| Lab number | Agency                                         | CaseJurisdictionCounty | AgencyCase |
|------------|------------------------------------------------|------------------------|------------|
| TX19-14917 | Alcona County Sheriff Department               | 1 - Alcona County      | 2670-19    |
| TX20-17001 | Alcona County Sheriff Department               | 1 - Alcona County      | 2532-20    |
| TX20-17002 | Alcona County Sheriff Department               | 1 - Alcona County      | 2514-20    |
| TX20-438   | Alcona County Sheriff Department               | 1 - Alcona County      | 28-20      |
| TX21-12046 | Alcona County Sheriff Department               | 1 - Alcona County      | 1740-21    |
| TX21-29    | Alcona County Sheriff Department               | 1 - Alcona County      | 2791-20    |
| TX21-8889  | Alcona County Sheriff Department               | 1 - Alcona County      | 1175-21    |
| TX21-11417 | Benzie County Sheriff Department               | 10 - Benzie County     | 2111000321 |
| TX21-13555 | Benzie County Sheriff Department               | 10 - Benzie County     | 2111000363 |
| TX19-10922 | Berrien County Sheriff Department              | 11 - Berrien County    | 19-9476    |
| TX19-10924 | Berrien County Sheriff Department              | 11 - Berrien County    | 19-9525    |
| TX19-11947 | Lincoln Township Police Department-Berrien Co. | 11 - Berrien County    | 19-3694    |
| TX19-13342 | Niles Post                                     | 11 - Berrien County    | 53-4405-19 |
| TX19-15270 | Benton Township Police Department              | 11 - Berrien County    | 19-10152   |
| TX19-15308 | Niles Post                                     | 11 - Berrien County    | 53-5125-19 |
| TX19-15983 | Niles Post                                     | 11 - Berrien County    | 53-5352-19 |
| TX19-16258 | Niles Post                                     | 11 - Berrien County    | 53-5431-19 |
| TX19-4745  | New Buffalo Police Department                  | 11 - Berrien County    | 19-356     |
| TX19-4882  | Niles Post                                     | 11 - Berrien County    | 53-1564-19 |
| TX19-5038  | New Buffalo Police Department                  | 11 - Berrien County    | 19-373     |
| TX19-5152  | Berrien County Sheriff Department              | 11 - Berrien County    | 19-4043    |
| TX19-6143  | Niles Post                                     | 11 - Berrien County    | 53-2093-19 |
| TX19-7775  | St. Joseph Public Safety Dept.                 | 11 - Berrien County    | 19-2203    |
| TX19-8554  | St. Joseph Public Safety Dept.                 | 11 - Berrien County    | 19-2519    |
| TX20-10346 | Benton Township Police Department              | 11 - Berrien County    | 20-5724    |
| TX20-10508 | Benton Township Police Department              | 11 - Berrien County    | 20-6001    |
| TX20-11259 | Benton Township Police Department              | 11 - Berrien County    | 20-6388    |
| TX20-11866 | Berrien County Sheriff Department              | 11 - Berrien County    | 20-8448    |
| TX20-12217 | Niles Post                                     | 11 - Berrien County    | 53-3607-20 |
| TX20-12450 | Niles Post                                     | 11 - Berrien County    | 53-3618-20 |
| TX20-12542 | St. Joseph Public Safety Dept.                 | 11 - Berrien County    | 20-2988    |
| TX20-12791 | Niles Post                                     | 11 - Berrien County    | 53-3754-20 |
| TX20-1338  | Niles Police Department                        | 11 - Berrien County    | 20-668     |
| TX20-13435 | Benton Township Police Department              | 11 - Berrien County    | 20-7441    |
| TX20-14116 | Benton Township Police Department              | 11 - Berrien County    | 20-7875    |
| TX20-1492  | Berrien County Sheriff Department              | 11 - Berrien County    | 20-920     |
| TX20-14946 | Benton Township Police Department              | 11 - Berrien County    | 20-8298    |
| TX20-16317 | Benton Township Police Department              | 11 - Berrien County    | 20-9020    |
| TX20-16658 | Benton Township Police Department              | 11 - Berrien County    | 20-9159    |
| TX20-16698 | Niles Post                                     | 11 - Berrien County    | 53-4637-20 |
| TX20-16862 | Benton Township Police Department              | 11 - Berrien County    | 20-9288    |
| TX20-16865 | Benton Township Police Department              | 11 - Berrien County    | 20-9325    |
| TX20-16866 | Benton Township Police Department              | 11 - Berrien County    | 20-9429    |
| TX20-17012 | Berrien County Sheriff Department              | 11 - Berrien County    | 20-119818  |
| TX20-1731  | Niles Post                                     | 11 - Berrien County    | 53-438-20  |
| TX20-18034 | Niles Post                                     | 11 - Berrien County    | 53-5029-20 |
| TX20-18217 | Benton Township Police Department              | 11 - Berrien County    | 20-10197   |
| TX20-2416  | Niles Post                                     | 11 - Berrien County    | 53-698-20  |

|            |                                                |                     |            |
|------------|------------------------------------------------|---------------------|------------|
| TX20-2682  | Niles Post                                     | 11 - Berrien County | 53-803-20  |
| TX20-4339  | Niles Post                                     | 11 - Berrien County | 53-1272-20 |
| TX20-47    | Bridgman Police Department                     | 11 - Berrien County | 19-1873    |
| TX20-4883  | Bridgman Police Department                     | 11 - Berrien County | 20-463     |
| TX20-4963  | Benton Township Police Department              | 11 - Berrien County | 20-2428    |
| TX20-5557  | St. Joseph Township Police Department          | 11 - Berrien County | 20-285     |
| TX20-5606  | Niles Post                                     | 11 - Berrien County | 53-1870-20 |
| TX20-6119  | Chikaming Township Police Department           | 11 - Berrien County | 20-1152    |
| TX20-6293  | Niles Post                                     | 11 - Berrien County | 53-2144-20 |
| TX20-6874  | St. Joseph Public Safety Dept.                 | 11 - Berrien County | 20-1579    |
| TX20-6884  | Benton Township Police Department              | 11 - Berrien County | 20-3895    |
| TX20-744   | Berrien County Sheriff Department              | 11 - Berrien County | 20-387     |
| TX20-7492  | Benton Township Police Department              | 11 - Berrien County | 20-4276    |
| TX20-7918  | Niles Post                                     | 11 - Berrien County | 53-2562-20 |
| TX20-8265  | Bridgman Police Department                     | 11 - Berrien County | 20-858     |
| TX20-8852  | St. Joseph Public Safety Dept.                 | 11 - Berrien County | 20-1964    |
| TX20-915   | Niles Post                                     | 11 - Berrien County | 53-213-20  |
| TX20-9377  | St. Joseph Public Safety Dept.                 | 11 - Berrien County | 20-2232    |
| TX20-9607  | Niles Post                                     | 11 - Berrien County | 53-2954-20 |
| TX21-10374 | Benton Township Police Department              | 11 - Berrien County | 21-5634    |
| TX21-11325 | Benton Township Police Department              | 11 - Berrien County | 21-6511    |
| TX21-1212  | Lincoln Township Police Department-Berrien Co. | 11 - Berrien County | 21-0220    |
| TX21-13855 | Chikaming Township Police Department           | 11 - Berrien County | 21-1668    |
| TX21-14478 | St. Joseph Township Police Department          | 11 - Berrien County | 21-832     |
| TX21-1525  | Niles Post                                     | 11 - Berrien County | 53-319-21  |
| TX21-16604 | St. Joseph Public Safety Dept.                 | 11 - Berrien County | 21-3597    |
| TX21-16979 | Benton Township Police Department              | 11 - Berrien County | 21-9873    |
| TX21-17309 | Niles Post                                     | 11 - Berrien County | 53-4194-21 |
| TX21-17513 | St. Joseph Public Safety Dept.                 | 11 - Berrien County | 21-3875    |
| TX21-17614 | Three Oaks Police Department                   | 11 - Berrien County | 1033-21    |
| TX21-1778  | Niles Post                                     | 11 - Berrien County | 53-413-21  |
| TX21-2544  | Benton Harbor Police Department                | 11 - Berrien County | 21-682     |
| TX21-2763  | Berrien County Sheriff Department              | 11 - Berrien County | 21-1834    |
| TX21-2937  | Niles Post                                     | 11 - Berrien County | 53-657-21  |
| TX21-3164  | Lincoln Township Police Department-Berrien Co. | 11 - Berrien County | 21-756     |
| TX21-379   | Berrien County Sheriff Department              | 11 - Berrien County | 21-131     |
| TX21-421   | Niles Post                                     | 11 - Berrien County | 53-7-21    |
| TX21-4696  | Berrien County Sheriff Department              | 11 - Berrien County | 21-3085    |
| TX21-5016  | Niles Post                                     | 11 - Berrien County | 53-1085-21 |
| TX21-5600  | St. Joseph Public Safety Dept.                 | 11 - Berrien County | 21-1061    |
| TX21-5910  | Benton Township Police Department              | 11 - Berrien County | 21-3088    |
| TX21-5911  | Benton Township Police Department              | 11 - Berrien County | 21-3265    |
| TX21-5912  | Benton Township Police Department              | 11 - Berrien County | 21-3231    |
| TX21-7152  | St. Joseph Public Safety Dept.                 | 11 - Berrien County | 21-1411    |
| TX21-7826  | Berrien County Sheriff Department              | 11 - Berrien County | 21-5347    |
| TX21-856   | Watervliet Police Department                   | 11 - Berrien County | 20-1415    |
| TX21-857   | Watervliet Police Department                   | 11 - Berrien County | Not Given  |
| TX21-8831  | Chikaming Township Police Department           | 11 - Berrien County | 21-909     |
| TX22-2213  | St. Joseph Public Safety Dept.                 | 11 - Berrien County | 22-497     |

|            |                                                     |                     |             |
|------------|-----------------------------------------------------|---------------------|-------------|
| TX22-2703  | St. Joseph Township Police Department               | 11 - Berrien County | 22-175      |
| TX22-2877  | Niles Post                                          | 11 - Berrien County | 53-750-22   |
| TX22-3253  | St. Joseph Public Safety Dept.                      | 11 - Berrien County | 22-905      |
| TX22-3677  | Benton Harbor Police Department                     | 11 - Berrien County | 22-1383     |
| TX22-5548  | St. Joseph Public Safety Dept.                      | 11 - Berrien County | 22-1818     |
| TX22-6024  | St. Joseph Township Police Department               | 11 - Berrien County | 22-382      |
| TX22-6499  | Niles Post                                          | 11 - Berrien County | 53-1550-22  |
| TX22-6584  | St. Joseph Public Safety Dept.                      | 11 - Berrien County | 22-2182     |
| TX19-12249 | Coldwater Police Department                         | 12 - Branch County  | 19-7080     |
| TX21-10451 | Branch County Sheriff Department                    | 12 - Branch County  | 2021-005624 |
| TX21-14632 | Branch County Sheriff Department                    | 12 - Branch County  | 7799-21     |
| TX21-17481 | Quincy Police Department                            | 12 - Branch County  | 2021-001592 |
| TX21-18601 | Coldwater Police Department                         | 12 - Branch County  | 21-9423     |
| TX21-5560  | Quincy Police Department                            | 12 - Branch County  | 2021-000518 |
| TX22-6642  | Branch County Sheriff Department                    | 12 - Branch County  | 3304-22     |
| TX19-10606 | Marshall Post                                       | 13 - Calhoun County | 54-4593-19  |
| TX19-11624 | Marshall Post                                       | 13 - Calhoun County | 54-4811-19  |
| TX19-13206 | Marshall Post                                       | 13 - Calhoun County | 54-5351-19  |
| TX19-13594 | Marshall Post                                       | 13 - Calhoun County | 54-5682-19  |
| TX19-13953 | Calhoun County Sheriff Department - Marshall Office | 13 - Calhoun County | 19-004842   |
| TX19-14199 | Battle Creek Police Department                      | 13 - Calhoun County | 19-010039   |
| TX19-16328 | Marshall Post                                       | 13 - Calhoun County | 54-7077-19  |
| TX19-16409 | Battle Creek Police Department                      | 13 - Calhoun County | 19-11548    |
| TX19-16411 | Battle Creek Police Department                      | 13 - Calhoun County | 19-11595    |
| TX19-5177  | Marshall Post                                       | 13 - Calhoun County | 54-2025-19  |
| TX19-6090  | Marshall Post                                       | 13 - Calhoun County | 54-2480-19  |
| TX19-6585  | Calhoun County Sheriff Department - Marshall Office | 13 - Calhoun County | 19002234    |
| TX19-6752  | Marshall Post                                       | 13 - Calhoun County | 54-2857-19  |
| TX19-7562  | Battle Creek Police Department                      | 13 - Calhoun County | 19-5101     |
| TX19-8136  | Calhoun County Sheriff Department - Marshall Office | 13 - Calhoun County | 19-002739   |
| TX19-9480  | Marshall Police Department                          | 13 - Calhoun County | 19-000584   |
| TX20-11819 | Marshall Post                                       | 13 - Calhoun County | 54-5112-20  |
| TX20-12178 | Calhoun County Sheriff Department - Marshall Office | 13 - Calhoun County | 3033-20     |
| TX20-12179 | Calhoun County Sheriff Department - Marshall Office | 13 - Calhoun County | 20-003111   |
| TX20-15375 | Marshall Post                                       | 13 - Calhoun County | 54-6318-20  |
| TX20-17210 | Albion Department of Public Safety                  | 13 - Calhoun County | 20-01563    |
| TX20-18084 | Battle Creek Police Department                      | 13 - Calhoun County | 20-009496   |
| TX20-18523 | Marshall Post                                       | 13 - Calhoun County | 54-7920-20  |
| TX20-44    | Battle Creek Police Department                      | 13 - Calhoun County | 19-11660    |
| TX20-4820  | Marshall Post                                       | 13 - Calhoun County | 54-2025-20  |
| TX20-5517  | Albion Department of Public Safety                  | 13 - Calhoun County | 20-00553    |
| TX20-7292  | Calhoun County Sheriff Department - Marshall Office | 13 - Calhoun County | 20-2055     |
| TX20-9765  | Battle Creek Police Department                      | 13 - Calhoun County | 20-5260     |
| TX21-12819 | Marshall Post                                       | 13 - Calhoun County | 54-4566-21  |
| TX21-1307  | Albion Department of Public Safety                  | 13 - Calhoun County | 21-00089    |
| TX21-13764 | Marshall Post                                       | 13 - Calhoun County | 54-4853-21  |
| TX21-14229 | Calhoun County Sheriff Department - Marshall Office | 13 - Calhoun County | 21-003346   |
| TX21-14243 | Battle Creek Police Department                      | 13 - Calhoun County | 21-007017   |
| TX21-14661 | Calhoun County Sheriff Department - Marshall Office | 13 - Calhoun County | 21003409    |

|            |                                                     |                        |             |
|------------|-----------------------------------------------------|------------------------|-------------|
| TX21-15714 | Calhoun County Sheriff Department - Marshall Office | 13 - Calhoun County    | 21-003675   |
| TX21-17816 | Marshall Post                                       | 13 - Calhoun County    | 54-6171-21  |
| TX21-19742 | Battle Creek Police Department                      | 13 - Calhoun County    | 21-009914   |
| TX21-3526  | Marshall Post                                       | 13 - Calhoun County    | 54-1281-21  |
| TX21-365   | Marshall Police Department                          | 13 - Calhoun County    | 20-000913   |
| TX21-4304  | Marshall Post                                       | 13 - Calhoun County    | 54-1609-21  |
| TX21-4743  | Marshall Post                                       | 13 - Calhoun County    | 54-1633-21  |
| TX21-8390  | Calhoun County Sheriff Department - Marshall Office | 13 - Calhoun County    | 1948-21     |
| TX22-3152  | Battle Creek Police Department                      | 13 - Calhoun County    | 22-001447   |
| TX22-5459  | Marshall Post                                       | 13 - Calhoun County    | 54-1597-22  |
| TX22-5856  | Marshall Post                                       | 13 - Calhoun County    | 54-1721-22  |
| TX22-7599  | Battle Creek Police Department                      | 13 - Calhoun County    | 22-3862     |
| TX22-7640  | Marshall Post                                       | 13 - Calhoun County    | 54-2408-22  |
| TX19-12304 | Pokagon Tribal Police Department                    | 14 - Cass County       | 19-2864     |
| TX19-15614 | Ontwa Township-Edwardsburg Police Department        | 14 - Cass County       | 2019-1803   |
| TX19-5235  | Cass County Sheriff Department                      | 14 - Cass County       | 201901297   |
| TX19-8577  | Ontwa Township-Edwardsburg Police Department        | 14 - Cass County       | 2019-0972   |
| TX20-1087  | Pokagon Tribal Police Department                    | 14 - Cass County       | 20-0192     |
| TX20-1265  | Cass County Sheriff Department                      | 14 - Cass County       | 202000176   |
| TX20-13335 | Dowagiac Police Department                          | 14 - Cass County       | 20-5557     |
| TX20-1881  | Ontwa Township-Edwardsburg Police Department        | 14 - Cass County       | 2020-0194   |
| TX20-1901  | Ontwa Township-Edwardsburg Police Department        | 14 - Cass County       | 2020-0192   |
| TX20-6506  | Dowagiac Police Department                          | 14 - Cass County       | 2020-3003   |
| TX21-12597 | Cass County Sheriff Department                      | 14 - Cass County       | 20210002459 |
| TX21-14817 | Dowagiac Police Department                          | 14 - Cass County       | Not Given   |
| TX21-1601  | Cass County Sheriff Department                      | 14 - Cass County       | 202100290   |
| TX21-17229 | Ontwa Township-Edwardsburg Police Department        | 14 - Cass County       | 21-1289     |
| TX21-4727  | Ontwa Township-Edwardsburg Police Department        | 14 - Cass County       | 21-312      |
| TX21-7913  | Pokagon Tribal Police Department                    | 14 - Cass County       | 21-1176     |
| TX19-13993 | Charlevoix County Sheriff Office                    | 15 - Charlevoix County | 2019-1659   |
| TX19-5231  | Boyne City Police Department                        | 15 - Charlevoix County | 2019-000143 |
| TX19-5722  | Boyne City Police Department                        | 15 - Charlevoix County | 2019-000165 |
| TX19-6517  | Charlevoix County Sheriff Office                    | 15 - Charlevoix County | 2019-0772   |
| TX19-7667  | Boyne City Police Department                        | 15 - Charlevoix County | 2019-000242 |
| TX20-10053 | Boyne City Police Department                        | 15 - Charlevoix County | 2020-000239 |
| TX20-10520 | Charlevoix Police Department                        | 15 - Charlevoix County | 306-311-20  |
| TX20-14836 | Boyne City Police Department                        | 15 - Charlevoix County | 2020-000357 |
| TX20-17506 | Boyne City Police Department                        | 15 - Charlevoix County | 2020-000436 |
| TX20-6514  | East Jordan Police Department                       | 15 - Charlevoix County | 2020000273  |
| TX21-12416 | Boyne City Police Department                        | 15 - Charlevoix County | 2021-000321 |
| TX21-12422 | Charlevoix County Sheriff Office                    | 15 - Charlevoix County | 2021-1034   |
| TX21-12424 | Charlevoix County Sheriff Office                    | 15 - Charlevoix County | 21-1053     |
| TX21-12875 | Charlevoix County Sheriff Office                    | 15 - Charlevoix County | 21-1100     |
| TX21-1313  | Boyne City Police Department                        | 15 - Charlevoix County | 2021-000016 |
| TX21-13366 | Charlevoix County Sheriff Office                    | 15 - Charlevoix County | 2021-1136   |
| TX21-13566 | Charlevoix County Sheriff Office                    | 15 - Charlevoix County | 21-1140     |
| TX21-13851 | Charlevoix County Sheriff Office                    | 15 - Charlevoix County | 21-1154     |
| TX21-14364 | Charlevoix County Sheriff Office                    | 15 - Charlevoix County | 2021-1188   |
| TX21-18359 | Charlevoix County Sheriff Office                    | 15 - Charlevoix County | 2021-1716   |

|            |                                           |                        |             |
|------------|-------------------------------------------|------------------------|-------------|
| TX21-18889 | Charlevoix County Sheriff Office          | 15 - Charlevoix County | 21-1770     |
| TX21-19928 | Charlevoix County Sheriff Office          | 15 - Charlevoix County | 2021-1888   |
| TX21-2720  | Charlevoix Police Department              | 15 - Charlevoix County | 306-047-21  |
| TX21-3660  | Boyne City Police Department              | 15 - Charlevoix County | 2021-000073 |
| TX21-3763  | Boyne City Police Department              | 15 - Charlevoix County | 2021-000085 |
| TX21-6246  | Charlevoix County Sheriff Office          | 15 - Charlevoix County | 21-506      |
| TX21-6475  | Charlevoix County Sheriff Office          | 15 - Charlevoix County | 2021-0526   |
| TX21-7025  | Boyne City Police Department              | 15 - Charlevoix County | 2021-000154 |
| TX21-7160  | Boyne City Police Department              | 15 - Charlevoix County | 2021-000159 |
| TX21-8054  | Charlevoix County Sheriff Office          | 15 - Charlevoix County | 21-669      |
| TX21-952   | Boyne City Police Department              | 15 - Charlevoix County | 2021-000013 |
| TX21-953   | Boyne City Police Department              | 15 - Charlevoix County | 2021-000007 |
| TX22-245   | Charlevoix County Sheriff Office          | 15 - Charlevoix County | 2021-001923 |
| TX22-278   | Boyne City Police Department              | 15 - Charlevoix County | 2021-000545 |
| TX22-279   | Charlevoix Police Department              | 15 - Charlevoix County | 306-001-22  |
| TX22-4427  | Charlevoix County Sheriff Office          | 15 - Charlevoix County | 2022-0460   |
| TX22-4640  | Boyne City Police Department              | 15 - Charlevoix County | 2022-000096 |
| TX22-4796  | Charlevoix County Sheriff Office          | 15 - Charlevoix County | 2022-000496 |
| TX22-6217  | Boyne City Police Department              | 15 - Charlevoix County | 2022-000128 |
| TX22-6219  | Charlevoix County Sheriff Office          | 15 - Charlevoix County | 2022-000636 |
| TX22-6456  | Boyne City Police Department              | 15 - Charlevoix County | 2022-000138 |
| TX22-6556  | Charlevoix County Sheriff Office          | 15 - Charlevoix County | 22-000668   |
| TX22-7885  | Charlevoix County Sheriff Office          | 15 - Charlevoix County | 2022-000805 |
| TX19-10279 | Tuscarora Township Police Department      | 16 - Cheboygan County  | 1501-19     |
| TX19-13096 | Tuscarora Township Police Department      | 16 - Cheboygan County  | 1937-19     |
| TX19-6729  | Tuscarora Township Police Department      | 16 - Cheboygan County  | 900-19      |
| TX19-6730  | Tuscarora Township Police Department      | 16 - Cheboygan County  | 897-19      |
| TX19-8491  | Tuscarora Township Police Department      | 16 - Cheboygan County  | 1168-19     |
| TX20-16601 | Tuscarora Township Police Department      | 16 - Cheboygan County  | 2026-20     |
| TX20-4400  | Cheboygan County Sheriff Department       | 16 - Cheboygan County  | Not Given   |
| TX20-7239  | Tuscarora Township Police Department      | 16 - Cheboygan County  | 0860-20     |
| TX20-7758  | Mackinaw City Police Department           | 16 - Cheboygan County  | 2020-000295 |
| TX20-9530  | Cheboygan County Sheriff Department       | 16 - Cheboygan County  | 551-20      |
| TX21-12389 | Tuscarora Township Police Department      | 16 - Cheboygan County  | 1390-21     |
| TX21-13278 | Mackinaw City Police Department           | 16 - Cheboygan County  | 761-21      |
| TX21-15805 | Tuscarora Township Police Department      | 16 - Cheboygan County  | 1827-21     |
| TX21-4101  | Cheboygan County Sheriff Department       | 16 - Cheboygan County  | 116-210-21  |
| TX21-9843  | Tuscarora Township Police Department      | 16 - Cheboygan County  | 1038-21     |
| TX22-6809  | Tuscarora Township Police Department      | 16 - Cheboygan County  | 0771-22     |
| TX19-10591 | Chippewa County Sheriff Department        | 17 - Chippewa County   | 1911700854  |
| TX19-12928 | Sault Ste. Marie Post                     | 17 - Chippewa County   | 82-1422-19  |
| TX19-4605  | Chippewa County Sheriff Department        | 17 - Chippewa County   | 1911700439  |
| TX19-5262  | Sault Ste Marie Police Department         | 17 - Chippewa County   | 1576-19     |
| TX19-5614  | Chippewa County Sheriff Department        | 17 - Chippewa County   | 1911700497  |
| TX19-5925  | Sault Ste. Marie Tribal Police Department | 17 - Chippewa County   | 19-1805     |
| TX19-9131  | Chippewa County Sheriff Department        | 17 - Chippewa County   | 1911700745  |
| TX20-15890 | Sault Ste Marie Police Department         | 17 - Chippewa County   | 4165-20     |
| TX20-18464 | Chippewa County Sheriff Department        | 17 - Chippewa County   | 2011701159  |
| TX20-4234  | Sault Ste Marie Police Department         | 17 - Chippewa County   | 1071-20     |



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| TX20-4472  | Sault Ste. Marie Post                     | 17 - Chippewa County | 82-425-20  |
| TX20-4949  | Sault Ste. Marie Post                     | 17 - Chippewa County | 82-518-20  |
| TX20-8692  | Chippewa County Sheriff Department        | 17 - Chippewa County | 2011700540 |
| TX20-9622  | Sault Ste. Marie Post                     | 17 - Chippewa County | 82-1057-20 |
| TX21-10825 | Sault Ste Marie Police Department         | 17 - Chippewa County | 2585-21    |
| TX21-1129  | Chippewa County Sheriff Department        | 17 - Chippewa County | 2111700068 |
| TX21-13643 | Sault Ste Marie Police Department         | 17 - Chippewa County | 3291-21    |
| TX21-17848 | Sault Ste. Marie Tribal Police Department | 17 - Chippewa County | 21-3090    |
| TX21-19889 | Sault Ste Marie Police Department         | 17 - Chippewa County | 5124-21    |
| TX21-4834  | Sault Ste. Marie Post                     | 17 - Chippewa County | 82-322-21  |
| TX21-5976  | Sault Ste Marie Police Department         | 17 - Chippewa County | 1318-21    |
| TX21-61    | Chippewa County Sheriff Department        | 17 - Chippewa County | 2011701184 |
| TX21-7435  | Chippewa County Sheriff Department        | 17 - Chippewa County | 2111700538 |
| TX21-9082  | Chippewa County Sheriff Department        | 17 - Chippewa County | 2111700653 |
| TX22-1022  | Sault Ste. Marie Post                     | 17 - Chippewa County | 82-0064-22 |
| TX22-2612  | Sault Ste Marie Police Department         | 17 - Chippewa County | 694-22     |
| TX22-3760  | Sault Ste. Marie Post                     | 17 - Chippewa County | 82-310-22  |
| TX22-4380  | Chippewa County Sheriff Department        | 17 - Chippewa County | 35-0011-22 |
| TX22-7082  | Sault Ste Marie Police Department         | 17 - Chippewa County | 1760-22    |
| TX22-7423  | Sault Ste. Marie Post                     | 17 - Chippewa County | 82-699-22  |
| TX19-5067  | Clare Police Department                   | 18 - Clare County    | 19-224     |
| TX19-7722  | Clare Police Department                   | 18 - Clare County    | 19-339     |
| TX19-8777  | Clare Police Department                   | 18 - Clare County    | 19-373     |
| TX19-9987  | Clare County Sheriff Department           | 18 - Clare County    | 19-214-6   |
| TX20-15058 | Clare County Sheriff Department           | 18 - Clare County    | 20-2831    |
| TX20-16558 | Clare Police Department                   | 18 - Clare County    | 20-443     |
| TX20-17801 | Clare Police Department                   | 18 - Clare County    | 20-488     |
| TX20-2701  | Clare County Sheriff Department           | 18 - Clare County    | 20-44-8    |
| TX20-3441  | Clare County Sheriff Department           | 18 - Clare County    | 20-64-1    |
| TX20-4269  | Clare County Sheriff Department           | 18 - Clare County    | 20-78-3    |
| TX20-9061  | Clare Police Department                   | 18 - Clare County    | 20-210     |
| TX21-4182  | Clare County Sheriff Department           | 18 - Clare County    | 21-72-4    |
| TX21-8913  | Clare Police Department                   | 18 - Clare County    | 21-200     |
| TX22-1124  | Clare County Sheriff Department           | 18 - Clare County    | 22-18-2    |
| TX22-3153  | Clare County Sheriff Department           | 18 - Clare County    | 22-57-5    |
| TX19-11131 | Clinton County Sheriff Department         | 19 - Clinton County  | 19-002323  |
| TX19-11404 | Clinton County Sheriff Department         | 19 - Clinton County  | 19-002443  |
| TX19-12940 | Clinton County Sheriff Department         | 19 - Clinton County  | 19-002793  |
| TX19-14481 | Clinton County Sheriff Department         | 19 - Clinton County  | 19-003208  |
| TX19-16305 | Clinton County Sheriff Department         | 19 - Clinton County  | 19-003741  |
| TX19-4177  | Clinton County Sheriff Department         | 19 - Clinton County  | 19-000903  |
| TX19-5588  | Bath Township Police Department           | 19 - Clinton County  | 19-00269   |
| TX19-7872  | Clinton County Sheriff Department         | 19 - Clinton County  | 19-001711  |
| TX19-8664  | Dewitt Township Police Department         | 19 - Clinton County  | 19-00854   |
| TX20-13441 | Clinton County Sheriff Department         | 19 - Clinton County  | 20-001709  |
| TX20-2044  | Clinton County Sheriff Department         | 19 - Clinton County  | 20-000333  |
| TX20-2096  | Clinton County Sheriff Department         | 19 - Clinton County  | 20-000344  |
| TX20-49    | Clinton County Sheriff Department         | 19 - Clinton County  | 19-003797  |
| TX21-11063 | Dewitt Township Police Department         | 19 - Clinton County  | 21-00591   |

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| TX21-17315 | St. Johns Police Department          | 19 - Clinton County  | 21-0474    |
| TX21-17643 | Clinton County Sheriff Department    | 19 - Clinton County  | 21-002423  |
| TX21-7429  | Clinton County Sheriff Department    | 19 - Clinton County  | 21-000890  |
| TX21-7697  | Clinton County Sheriff Department    | 19 - Clinton County  | 21-000935  |
| TX21-9688  | Bath Township Police Department      | 19 - Clinton County  | 21-00367   |
| TX21-9692  | Dewitt Township Police Department    | 19 - Clinton County  | 21-00498   |
| TX21-9935  | Dewitt Township Police Department    | 19 - Clinton County  | 21-00511   |
| TX22-3920  | Dewitt Township Police Department    | 19 - Clinton County  | 22-00271   |
| TX22-7603  | Clinton County Sheriff Department    | 19 - Clinton County  | 22-001178  |
| TX19-10397 | Alger County Sheriff Department      | 2 - Alger County     | 102-452-19 |
| TX20-12445 | Munising Police Department           | 2 - Alger County     | 2060200541 |
| TX22-7720  | Munising Police Department           | 2 - Alger County     | 2260200242 |
| TX19-11405 | Crawford County Sheriff Department   | 20 - Crawford County | 20-2425-19 |
| TX19-14164 | Crawford County Sheriff Department   | 20 - Crawford County | 20-2983-19 |
| TX19-14682 | Crawford County Sheriff Department   | 20 - Crawford County | 20-3124-19 |
| TX20-10998 | Grayling Police Department           | 20 - Crawford County | 40-948-20  |
| TX20-13622 | Crawford County Sheriff Department   | 20 - Crawford County | 20-2834-20 |
| TX21-11099 | Crawford County Sheriff Department   | 20 - Crawford County | 20-2209-21 |
| TX21-1956  | Crawford County Sheriff Department   | 20 - Crawford County | 20-326-21  |
| TX21-786   | Crawford County Sheriff Department   | 20 - Crawford County | 20-0093-21 |
| TX19-10971 | Escanaba Department of Public Safety | 21 - Delta County    | 19-5238    |
| TX19-13397 | Gladstone Post                       | 21 - Delta County    | 84-2015-19 |
| TX19-16436 | Gladstone Post                       | 21 - Delta County    | 84-2623-19 |
| TX19-9245  | Gladstone Post                       | 21 - Delta County    | 84-1433-19 |
| TX20-1168  | Escanaba Department of Public Safety | 21 - Delta County    | 20-307     |
| TX20-13041 | Gladstone Post                       | 21 - Delta County    | 84-2001-20 |
| TX20-13338 | Escanaba Department of Public Safety | 21 - Delta County    | 20-5502    |
| TX20-15458 | Gladstone Post                       | 21 - Delta County    | 84-2240-20 |
| TX20-16178 | Gladstone Post                       | 21 - Delta County    | 84-2358-20 |
| TX20-18428 | Gladstone Post                       | 21 - Delta County    | 84-2698-20 |
| TX20-2666  | Escanaba Department of Public Safety | 21 - Delta County    | 20-855     |
| TX20-6002  | Gladstone Post                       | 21 - Delta County    | 84-986-20  |
| TX20-6120  | Escanaba Department of Public Safety | 21 - Delta County    | 20-2658    |
| TX20-767   | Gladstone Post                       | 21 - Delta County    | 84-73-20   |
| TX20-8621  | Escanaba Department of Public Safety | 21 - Delta County    | 20-3156    |
| TX21-1095  | Escanaba Department of Public Safety | 21 - Delta County    | 21-276     |
| TX21-11734 | Gladstone Post                       | 21 - Delta County    | 84-1246-21 |
| TX21-13593 | Gladstone Post                       | 21 - Delta County    | 84-1418-21 |
| TX21-14329 | Gladstone Post                       | 21 - Delta County    | 84-1496-21 |
| TX21-15027 | Gladstone Post                       | 21 - Delta County    | 84-1581-21 |
| TX21-17543 | Gladstone Post                       | 21 - Delta County    | 84-1845-21 |
| TX21-18990 | Escanaba Department of Public Safety | 21 - Delta County    | 21-8447    |
| TX21-19764 | Gladstone Post                       | 21 - Delta County    | 84-2110-21 |
| TX21-573   | Escanaba Department of Public Safety | 21 - Delta County    | 21-82      |
| TX21-6882  | Gladstone Post                       | 21 - Delta County    | 84-732-21  |
| TX21-8222  | Gladstone Post                       | 21 - Delta County    | 84-881-21  |
| TX22-2464  | Gladstone Post                       | 21 - Delta County    | 84-204-22  |
| TX22-2778  | Gladstone Post                       | 21 - Delta County    | 84-292-22  |
| TX22-5574  | Gladstone Post                       | 21 - Delta County    | 84-504-22  |

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| TX22-6978  | Gladstone Post                       | 21 - Delta County     | 84-656-22   |
| TX22-7894  | Escanaba Department of Public Safety | 21 - Delta County     | 22-3399     |
| TX19-10970 | Dickinson County Sheriff Department  | 22 - Dickinson County | 224-19      |
| TX19-10992 | Iron Mountain Post                   | 22 - Dickinson County | 85-1677-19  |
| TX19-11696 | Iron Mountain Post                   | 22 - Dickinson County | 85-1801-19  |
| TX19-15066 | Iron Mountain Post                   | 22 - Dickinson County | 85-2413-19  |
| TX19-15941 | Iron Mountain Post                   | 22 - Dickinson County | 85-2577-19  |
| TX19-5087  | Iron Mountain Post                   | 22 - Dickinson County | 85-708-19   |
| TX19-5517  | Iron Mountain Post                   | 22 - Dickinson County | 85-793-19   |
| TX19-7021  | Iron Mountain Post                   | 22 - Dickinson County | 85-1042-19  |
| TX20-10542 | Iron Mountain Post                   | 22 - Dickinson County | 85-1422-20  |
| TX20-10917 | Iron Mountain Post                   | 22 - Dickinson County | 85-1467-20  |
| TX20-11147 | Iron Mountain Post                   | 22 - Dickinson County | 85-1503-20  |
| TX20-1193  | Iron Mountain Post                   | 22 - Dickinson County | 85-128-20   |
| TX20-12082 | Dickinson County Sheriff Department  | 22 - Dickinson County | 199-20      |
| TX20-13343 | Iron Mountain Post                   | 22 - Dickinson County | 85-1771-20  |
| TX20-13638 | Iron Mountain Post                   | 22 - Dickinson County | 85-1837-20  |
| TX20-14481 | Dickinson County Sheriff Department  | 22 - Dickinson County | 235-20      |
| TX20-14679 | Iron Mountain Post                   | 22 - Dickinson County | 85-1947-20  |
| TX20-15399 | Iron Mountain Post                   | 22 - Dickinson County | 85-2062-20  |
| TX20-16363 | Iron Mountain Post                   | 22 - Dickinson County | 85-2193-20  |
| TX20-16873 | Dickinson County Sheriff Department  | 22 - Dickinson County | 268-20      |
| TX20-17135 | Iron Mountain Post                   | 22 - Dickinson County | 85-2288-20  |
| TX20-17649 | Dickinson County Sheriff Department  | 22 - Dickinson County | 282-20      |
| TX20-18001 | Iron Mountain Post                   | 22 - Dickinson County | 85-2417-20  |
| TX20-18157 | Dickinson County Sheriff Department  | 22 - Dickinson County | 286-20      |
| TX20-18298 | Dickinson County Sheriff Department  | 22 - Dickinson County | 295-20      |
| TX20-2397  | Iron Mountain Post                   | 22 - Dickinson County | 85-273-20   |
| TX20-4130  | Iron Mountain Police Department      | 22 - Dickinson County | C-154-20    |
| TX20-5146  | Iron Mountain Post                   | 22 - Dickinson County | 85-723-20   |
| TX20-58    | Dickinson County Sheriff Department  | 22 - Dickinson County | 335-19      |
| TX20-6945  | Iron Mountain Post                   | 22 - Dickinson County | 85-987-20   |
| TX20-7233  | Dickinson County Sheriff Department  | 22 - Dickinson County | 137-20      |
| TX20-9242  | Iron Mountain Post                   | 22 - Dickinson County | 85-1270-20  |
| TX20-9243  | Iron Mountain Post                   | 22 - Dickinson County | 85-1271-20  |
| TX20-9670  | Iron Mountain Post                   | 22 - Dickinson County | 85-1324-20  |
| TX21-10476 | Dickinson County Sheriff Department  | 22 - Dickinson County | 172-21      |
| TX21-10764 | Dickinson County Sheriff Department  | 22 - Dickinson County | 179-21      |
| TX21-10919 | Iron Mountain Post                   | 22 - Dickinson County | 85-1316-21  |
| TX21-12431 | Dickinson County Sheriff Department  | 22 - Dickinson County | 206-21      |
| TX21-13620 | Norway Police Department             | 22 - Dickinson County | C-363-21    |
| TX21-14273 | Iron Mountain Post                   | 22 - Dickinson County | 85-1688-21  |
| TX21-14590 | Iron Mountain Post                   | 22 - Dickinson County | 85-1739-21  |
| TX21-15040 | Iron Mountain Post                   | 22 - Dickinson County | 85-1811-21  |
| TX21-15592 | Dickinson County Sheriff Department  | 22 - Dickinson County | DCSO 238-21 |
| TX21-16665 | Iron Mountain Post                   | 22 - Dickinson County | 85-2059-21  |
| TX21-17977 | Iron Mountain Post                   | 22 - Dickinson County | 85-2230-21  |
| TX21-19381 | Iron Mountain Post                   | 22 - Dickinson County | 85-2417-21  |
| TX21-359   | Iron Mountain Post                   | 22 - Dickinson County | 85-7-21     |

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| TX21-3684  | Iron Mountain Post              | 22 - Dickinson County | 85-410-21   |
| TX21-3787  | Iron Mountain Post              | 22 - Dickinson County | 85-459-21   |
| TX21-4954  | Iron Mountain Police Department | 22 - Dickinson County | C-140-21    |
| TX21-5523  | Iron Mountain Police Department | 22 - Dickinson County | C-169-21    |
| TX21-6637  | Iron Mountain Post              | 22 - Dickinson County | 85-791-21   |
| TX21-7468  | Iron Mountain Post              | 22 - Dickinson County | 85-902-21   |
| TX21-808   | Iron Mountain Post              | 22 - Dickinson County | 85-58-21    |
| TX22-1967  | Iron Mountain Post              | 22 - Dickinson County | 85-221-22   |
| TX22-3458  | Iron Mountain Police Department | 22 - Dickinson County | C-90-22     |
| TX22-4984  | Iron Mountain Post              | 22 - Dickinson County | 85-605-22   |
| TX19-11906 | Potterville Police Department   | 23 - Eaton County     | 2019-0233   |
| TX19-14391 | Eaton County Sheriff Department | 23 - Eaton County     | 2019-7345   |
| TX19-4642  | Grand Ledge Police Department   | 23 - Eaton County     | 19-00026    |
| TX19-7004  | Eaton County Sheriff Department | 23 - Eaton County     | 2019-3650   |
| TX19-8461  | Eaton County Sheriff Department | 23 - Eaton County     | 2019-4445   |
| TX20-13707 | Eaton County Sheriff Department | 23 - Eaton County     | 2020-4853   |
| TX20-13928 | Potterville Police Department   | 23 - Eaton County     | 2020-0178   |
| TX20-15428 | Eaton County Sheriff Department | 23 - Eaton County     | 2020-5433   |
| TX20-1548  | Potterville Police Department   | 23 - Eaton County     | 2020-0011   |
| TX20-17459 | Grand Ledge Police Department   | 23 - Eaton County     | 20-0526     |
| TX20-17460 | Grand Ledge Police Department   | 23 - Eaton County     | 20-0534     |
| TX20-5997  | Eaton County Sheriff Department | 23 - Eaton County     | 2020-2475   |
| TX20-6448  | Eaton County Sheriff Department | 23 - Eaton County     | 2020-2583   |
| TX20-6621  | Grand Ledge Police Department   | 23 - Eaton County     | 2020-0250   |
| TX20-7509  | Grand Ledge Police Department   | 23 - Eaton County     | 20-0286     |
| TX20-7955  | Eaton County Sheriff Department | 23 - Eaton County     | 2020-3231   |
| TX20-8236  | Eaton County Sheriff Department | 23 - Eaton County     | 2020-3313   |
| TX20-9234  | Eaton County Sheriff Department | 23 - Eaton County     | 2020-3624   |
| TX21-11973 | Eaton County Sheriff Department | 23 - Eaton County     | 2021-4058   |
| TX21-13984 | Eaton County Sheriff Department | 23 - Eaton County     | 2021-4819   |
| TX21-16338 | Eaton County Sheriff Department | 23 - Eaton County     | 2021-5604   |
| TX21-17134 | Eaton County Sheriff Department | 23 - Eaton County     | 2021-5958   |
| TX21-19425 | Eaton County Sheriff Department | 23 - Eaton County     | 2021-6784   |
| TX21-19904 | Eaton County Sheriff Department | 23 - Eaton County     | 21-7028     |
| TX21-7818  | Eaton County Sheriff Department | 23 - Eaton County     | 2021-2646   |
| TX22-2857  | Eaton County Sheriff Department | 23 - Eaton County     | 2022-1045   |
| TX22-6791  | Eaton County Sheriff Department | 23 - Eaton County     | 2022-2391   |
| TX22-7892  | Eaton County Sheriff Department | 23 - Eaton County     | 2022-2821   |
| TX22-926   | Eaton County Sheriff Department | 23 - Eaton County     | 22-243      |
| TX19-10074 | Petoskey Police Department      | 24 - Emmet County     | 4583-19     |
| TX19-11476 | Emmet County Sheriff Department | 24 - Emmet County     | 2019-004415 |
| TX19-11526 | Emmet County Sheriff Department | 24 - Emmet County     | 19-4434     |
| TX19-12645 | Petoskey Police Department      | 24 - Emmet County     | 6032-19     |
| TX19-13801 | Emmet County Sheriff Department | 24 - Emmet County     | 2019-005352 |
| TX19-14438 | Petoskey Police Department      | 24 - Emmet County     | 2019-006859 |
| TX19-16218 | Emmet County Sheriff Department | 24 - Emmet County     | 2019-006352 |
| TX19-16219 | Emmet County Sheriff Department | 24 - Emmet County     | 2019-006368 |
| TX19-4182  | Emmet County Sheriff Department | 24 - Emmet County     | 2019001497  |
| TX19-5818  | Emmet County Sheriff Department | 24 - Emmet County     | 2019002115  |

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| TX19-6013  | Emmet County Sheriff Department        | 24 - Emmet County   | 2019002202   |
| TX19-8141  | Emmet County Sheriff Department        | 24 - Emmet County   | 19-3000      |
| TX19-8239  | Emmet County Sheriff Department        | 24 - Emmet County   | 19-3022      |
| TX20-1165  | Emmet County Sheriff Department        | 24 - Emmet County   | 20-0398      |
| TX20-14548 | Petoskey Police Department             | 24 - Emmet County   | 5347-20      |
| TX20-15001 | Petoskey Police Department             | 24 - Emmet County   | 5492-20      |
| TX20-1994  | Emmet County Sheriff Department        | 24 - Emmet County   | 2020-000548  |
| TX20-200   | Emmet County Sheriff Department        | 24 - Emmet County   | 2019006452   |
| TX20-2332  | Emmet County Sheriff Department        | 24 - Emmet County   | 2020-000707  |
| TX20-2707  | Emmet County Sheriff Department        | 24 - Emmet County   | 20-0803      |
| TX20-2708  | Emmet County Sheriff Department        | 24 - Emmet County   | 2020-000801  |
| TX20-2709  | Emmet County Sheriff Department        | 24 - Emmet County   | 20-0805      |
| TX20-291   | Emmet County Sheriff Department        | 24 - Emmet County   | 20-0029      |
| TX20-3132  | Emmet County Sheriff Department        | 24 - Emmet County   | 2020-000959  |
| TX20-3558  | Emmet County Sheriff Department        | 24 - Emmet County   | 20-1114      |
| TX20-3936  | Emmet County Sheriff Department        | 24 - Emmet County   | 20-1206      |
| TX20-3939  | Emmet County Sheriff Department        | 24 - Emmet County   | 2020-0001186 |
| TX20-4292  | Petoskey Police Department             | 24 - Emmet County   | 1363-20      |
| TX20-4676  | Emmet County Sheriff Department        | 24 - Emmet County   | 20-1591      |
| TX20-590   | Emmet County Sheriff Department        | 24 - Emmet County   | 202000088    |
| TX20-6976  | Petoskey Police Department             | 24 - Emmet County   | 2020-002952  |
| TX20-7125  | Emmet County Sheriff Department        | 24 - Emmet County   | 20-2586      |
| TX20-7127  | Emmet County Sheriff Department        | 24 - Emmet County   | 20-2583      |
| TX20-7511  | Emmet County Sheriff Department        | 24 - Emmet County   | 20-2771      |
| TX20-7593  | Emmet County Sheriff Department        | 24 - Emmet County   | 2020-002807  |
| TX21-10193 | Petoskey Police Department             | 24 - Emmet County   | 2021-3318    |
| TX21-11277 | Emmet County Sheriff Department        | 24 - Emmet County   | 21-3212      |
| TX21-12435 | Emmet County Sheriff Department        | 24 - Emmet County   | 21-3546      |
| TX21-1658  | Emmet County Sheriff Department        | 24 - Emmet County   | 21-0386      |
| TX21-17344 | Emmet County Sheriff Department        | 24 - Emmet County   | 21-5208      |
| TX21-17609 | Petoskey Police Department             | 24 - Emmet County   | 2021-005876  |
| TX21-18562 | Emmet County Sheriff Department        | 24 - Emmet County   | 21-5637      |
| TX21-2341  | Petoskey Police Department             | 24 - Emmet County   | 719-21       |
| TX21-3424  | Petoskey Police Department             | 24 - Emmet County   | 2021-0976    |
| TX21-570   | Emmet County Sheriff Department        | 24 - Emmet County   | 21-0085      |
| TX21-611   | Petoskey Police Department             | 24 - Emmet County   | 2021-000087  |
| TX21-7853  | Emmet County Sheriff Department        | 24 - Emmet County   | 21-2154      |
| TX21-8128  | Emmet County Sheriff Department        | 24 - Emmet County   | 21-2308      |
| TX22-5976  | Emmet County Sheriff Department        | 24 - Emmet County   | 2022-001733  |
| TX22-6463  | Emmet County Sheriff Department        | 24 - Emmet County   | 2022-001954  |
| TX22-7695  | Emmet County Sheriff Department        | 24 - Emmet County   | 22-2394      |
| TX19-10361 | Grand Blanc Township Police Department | 25 - Genesee County | 198520       |
| TX19-10605 | Mt. Morris Police Department           | 25 - Genesee County | 19-662       |
| TX19-10740 | Grand Blanc Township Police Department | 25 - Genesee County | 1985203200   |
| TX19-10742 | Grand Blanc Township Police Department | 25 - Genesee County | 1985203190   |
| TX19-10812 | Flint Post                             | 25 - Genesee County | 35-4964-19   |
| TX19-11755 | Grand Blanc Township Police Department | 25 - Genesee County | 1985203460   |
| TX19-11998 | Grand Blanc Township Police Department | 25 - Genesee County | 1985203567   |
| TX19-12255 | Genesee Township Police Department     | 25 - Genesee County | 1942201360   |

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| TX19-12259 | Grand Blanc Township Police Department       | 25 - Genesee County | 1985203537 |
| TX19-12261 | Grand Blanc Township Police Department       | 25 - Genesee County | 1985203608 |
| TX19-12440 | Flint Police Department                      | 25 - Genesee County | 19-0280548 |
| TX19-12981 | Grand Blanc Township Police Department       | 25 - Genesee County | 1985203862 |
| TX19-13461 | Flint Post                                   | 25 - Genesee County | 35-6231-19 |
| TX19-14096 | Flint Township Police Department             | 25 - Genesee County | 1939910465 |
| TX19-14697 | Grand Blanc Township Police Department       | 25 - Genesee County | 1985204206 |
| TX19-14764 | Flint Township Police Department             | 25 - Genesee County | 1939910805 |
| TX19-15099 | Davison Township Police Department           | 25 - Genesee County | 19-2281    |
| TX19-15373 | Mt. Morris Police Department                 | 25 - Genesee County | 19-943     |
| TX19-15636 | Mt. Morris Police Department                 | 25 - Genesee County | 19-966     |
| TX19-15637 | Mt. Morris Police Department                 | 25 - Genesee County | 19-974     |
| TX19-15638 | Mt. Morris Police Department                 | 25 - Genesee County | 19-968     |
| TX19-15878 | Grand Blanc Township Police Department       | 25 - Genesee County | 1985204775 |
| TX19-16435 | Grand Blanc Township Police Department       | 25 - Genesee County | 1985204900 |
| TX19-16463 | Mt. Morris Police Department                 | 25 - Genesee County | 19-1015    |
| TX19-16464 | Mt. Morris Police Department                 | 25 - Genesee County | 19-1014    |
| TX19-4267  | Grand Blanc Township Police Department       | 25 - Genesee County | 1985201156 |
| TX19-4770  | Grand Blanc Police Department                | 25 - Genesee County | 1943100201 |
| TX19-6015  | Grand Blanc Township Police Department       | 25 - Genesee County | 1985201693 |
| TX19-6198  | Argentine Township Police Department         | 25 - Genesee County | 19-166     |
| TX19-6240  | Mt. Morris Township Police Department        | 25 - Genesee County | 1984500827 |
| TX19-7735  | Grand Blanc Township Police Department       | 25 - Genesee County | 1985202228 |
| TX19-7979  | Flint Township Police Department             | 25 - Genesee County | 1939906226 |
| TX19-8093  | Grand Blanc Township Police Department       | 25 - Genesee County | 1985202373 |
| TX19-8297  | Grand Blanc Township Police Department       | 25 - Genesee County | 1985202480 |
| TX19-8783  | Grand Blanc Township Police Department       | 25 - Genesee County | 1985202553 |
| TX19-9210  | Flint Post                                   | 25 - Genesee County | 35-4281-19 |
| TX19-9520  | Genesee County Sheriff Department            | 25 - Genesee County | 19-2284    |
| TX19-9521  | Grand Blanc Police Department                | 25 - Genesee County | 1943100402 |
| TX19-9603  | Grand Blanc Township Police Department       | 25 - Genesee County | 1985202833 |
| TX19-9853  | Grand Blanc Township Police Department       | 25 - Genesee County | 1985202872 |
| TX20-10127 | Grand Blanc Township Police Department       | 25 - Genesee County | 2085202163 |
| TX20-1027  | Metro Police Authority of Genesee County     | 25 - Genesee County | 2065000062 |
| TX20-11001 | Genesee County Sheriff Department            | 25 - Genesee County | 2012502184 |
| TX20-11283 | Grand Blanc Township Police Department       | 25 - Genesee County | 2085202303 |
| TX20-11330 | Grand Blanc Township Police Department       | 25 - Genesee County | 2085202354 |
| TX20-11388 | Richfield Township Police Department-Davison | 25 - Genesee County | 20-0489    |
| TX20-11496 | Grand Blanc Township Police Department       | 25 - Genesee County | 2085202385 |
| TX20-12026 | Argentine Township Police Department         | 25 - Genesee County | 2021900225 |
| TX20-12579 | Genesee County Sheriff Department            | 25 - Genesee County | 2012502478 |
| TX20-1296  | Genesee County Sheriff Department            | 25 - Genesee County | 2012500222 |
| TX20-13030 | Clio Police Department                       | 25 - Genesee County | 20-365     |
| TX20-13044 | Grand Blanc Township Police Department       | 25 - Genesee County | 2085202578 |
| TX20-13490 | Richfield Township Police Department-Davison | 25 - Genesee County | 20-0623    |
| TX20-13575 | Linden Police Department                     | 25 - Genesee County | 2553500109 |
| TX20-13729 | Argentine Township Police Department         | 25 - Genesee County | 2021900261 |
| TX20-14002 | Davison Township Police Department           | 25 - Genesee County | 20001659   |
| TX20-14012 | Grand Blanc Township Police Department       | 25 - Genesee County | 2085202726 |

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| TX20-14014 | Grand Blanc Township Police Department       | 25 - Genesee County | 2085202685 |
| TX20-14510 | Grand Blanc Township Police Department       | 25 - Genesee County | 2085202888 |
| TX20-14846 | Grand Blanc Township Police Department       | 25 - Genesee County | 2085203022 |
| TX20-15018 | Flint Post                                   | 25 - Genesee County | 35-6497-20 |
| TX20-15166 | Grand Blanc Township Police Department       | 25 - Genesee County | 2085203094 |
| TX20-15167 | Grand Blanc Township Police Department       | 25 - Genesee County | 2085203107 |
| TX20-15393 | Genesee County Sheriff Department            | 25 - Genesee County | 2012502933 |
| TX20-1621  | Flint Police Department                      | 25 - Genesee County | 19-394229  |
| TX20-16617 | IMPACT                                       | 25 - Genesee County | 30-650-20  |
| TX20-1681  | Grand Blanc Township Police Department       | 25 - Genesee County | 2085200363 |
| TX20-17265 | Flint Police Department                      | 25 - Genesee County | 20-365613  |
| TX20-17278 | Flint Township Police Department             | 25 - Genesee County | 2039906151 |
| TX20-17813 | Grand Blanc Township Police Department       | 25 - Genesee County | 2085203565 |
| TX20-18292 | Argentine Township Police Department         | 25 - Genesee County | 2021900370 |
| TX20-2056  | Grand Blanc Township Police Department       | 25 - Genesee County | 2085200434 |
| TX20-2534  | Grand Blanc Township Police Department       | 25 - Genesee County | 2085200524 |
| TX20-3003  | Burton Police Department                     | 25 - Genesee County | 20-0472    |
| TX20-3011  | Grand Blanc Township Police Department       | 25 - Genesee County | 2085200656 |
| TX20-3357  | Grand Blanc Township Police Department       | 25 - Genesee County | 2085200713 |
| TX20-354   | Davison Police Department                    | 25 - Genesee County | 20-009     |
| TX20-3813  | Richfield Township Police Department-Davison | 25 - Genesee County | 20-0123    |
| TX20-3871  | Grand Blanc Township Police Department       | 25 - Genesee County | 2085200884 |
| TX20-5394  | Genesee Township Police Department           | 25 - Genesee County | 2042200535 |
| TX20-5496  | Genesee County Sheriff Department            | 25 - Genesee County | 2012501056 |
| TX20-6073  | Flint Township Police Department             | 25 - Genesee County | 2039903401 |
| TX20-6523  | Grand Blanc Township Police Department       | 25 - Genesee County | 2085201468 |
| TX20-6534  | Genesee County Sheriff Department            | 25 - Genesee County | 2012501347 |
| TX20-6927  | Grand Blanc Township Police Department       | 25 - Genesee County | 2085201539 |
| TX20-71    | Grand Blanc Township Police Department       | 25 - Genesee County | 1985204952 |
| TX20-7133  | Genesee Township Police Department           | 25 - Genesee County | 2042200671 |
| TX20-8628  | Grand Blanc Township Police Department       | 25 - Genesee County | 2085201843 |
| TX20-8892  | Argentine Township Police Department         | 25 - Genesee County | 2021900174 |
| TX20-9010  | Genesee County Sheriff Department            | 25 - Genesee County | 2012501910 |
| TX20-9078  | Grand Blanc Township Police Department       | 25 - Genesee County | 2085201938 |
| TX20-910   | Grand Blanc Township Police Department       | 25 - Genesee County | 208520420  |
| TX20-9335  | Grand Blanc Township Police Department       | 25 - Genesee County | 2085201990 |
| TX20-986   | Grand Blanc Township Police Department       | 25 - Genesee County | 2085200188 |
| TX21-10149 | Grand Blanc Township Police Department       | 25 - Genesee County | 2185202154 |
| TX21-10458 | Flint Post                                   | 25 - Genesee County | 35-4412-21 |
| TX21-10460 | Flint Post                                   | 25 - Genesee County | 35-4420-21 |
| TX21-1064  | Grand Blanc Township Police Department       | 25 - Genesee County | 2185200054 |
| TX21-10962 | Genesee County Parks & Recreation            | 25 - Genesee County | Not Given  |
| TX21-11004 | Clayton Township Police Department           | 25 - Genesee County | 21-223     |
| TX21-11068 | Flint Post                                   | 25 - Genesee County | 35-4747-21 |
| TX21-11280 | Grand Blanc Township Police Department       | 25 - Genesee County | 2185202450 |
| TX21-11342 | Grand Blanc Township Police Department       | 25 - Genesee County | 2185202395 |
| TX21-1144  | Argentine Township Police Department         | 25 - Genesee County | 2121900018 |
| TX21-11505 | Flint Post                                   | 25 - Genesee County | 35-4716-21 |
| TX21-11507 | Flint Post                                   | 25 - Genesee County | 35-4854-21 |

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| TX21-11779 | Flint Police Department                  | 25 - Genesee County | 21-255902  |
| TX21-11804 | Burton Police Department                 | 25 - Genesee County | 2183901992 |
| TX21-11916 | Grand Blanc Township Police Department   | 25 - Genesee County | 2185202539 |
| TX21-11918 | Grand Blanc Township Police Department   | 25 - Genesee County | 2185202538 |
| TX21-12045 | IMPACT                                   | 25 - Genesee County | 30-553-21  |
| TX21-12297 | Grand Blanc Township Police Department   | 25 - Genesee County | 2185202604 |
| TX21-13584 | Flint Post                               | 25 - Genesee County | 35-5921-21 |
| TX21-13585 | Flint Post                               | 25 - Genesee County | 35-5619-21 |
| TX21-13598 | IMPACT                                   | 25 - Genesee County | 30-611-21  |
| TX21-137   | Metro Police Authority of Genesee County | 25 - Genesee County | 2065001843 |
| TX21-13725 | Grand Blanc Township Police Department   | 25 - Genesee County | 2185202939 |
| TX21-13726 | Grand Blanc Township Police Department   | 25 - Genesee County | 2185202854 |
| TX21-13866 | Genesee County Sheriff Department        | 25 - Genesee County | 2112502526 |
| TX21-14440 | Grand Blanc Township Police Department   | 25 - Genesee County | 2185203096 |
| TX21-14574 | Flint Post                               | 25 - Genesee County | 35-6239-21 |
| TX21-14803 | Metro Police Authority of Genesee County | 25 - Genesee County | 2165001569 |
| TX21-15932 | Grand Blanc Township Police Department   | 25 - Genesee County | 2185203479 |
| TX21-1603  | Grand Blanc Township Police Department   | 25 - Genesee County | 2185200244 |
| TX21-16116 | Flint Post                               | 25 - Genesee County | 35-6802-21 |
| TX21-17100 | Flint Post                               | 25 - Genesee County | 35-7297-21 |
| TX21-17245 | Grand Blanc Township Police Department   | 25 - Genesee County | 2185203763 |
| TX21-17887 | Genesee County Sheriff Department        | 25 - Genesee County | 2112503260 |
| TX21-18116 | Genesee County Sheriff Department        | 25 - Genesee County | 2112503468 |
| TX21-18224 | Grand Blanc Township Police Department   | 25 - Genesee County | 2185204069 |
| TX21-18496 | Flint Post                               | 25 - Genesee County | 35-8245-21 |
| TX21-18792 | Flint Post                               | 25 - Genesee County | 35-8381-21 |
| TX21-2173  | Grand Blanc Township Police Department   | 25 - Genesee County | 2185200423 |
| TX21-2230  | Flint Police Department                  | 25 - Genesee County | 21-36202   |
| TX21-2231  | Flint Police Department                  | 25 - Genesee County | 21-36202   |
| TX21-282   | IMPACT                                   | 25 - Genesee County | 30-757-20  |
| TX21-3073  | Genesee County Sheriff Department        | 25 - Genesee County | 2112500545 |
| TX21-3269  | Genesee County Parks & Recreation        | 25 - Genesee County | 040-21     |
| TX21-3389  | Genesee Township Police Department       | 25 - Genesee County | 2142200198 |
| TX21-3390  | Genesee Township Police Department       | 25 - Genesee County | 2142200289 |
| TX21-3392  | Genesee Township Police Department       | 25 - Genesee County | 2142200289 |
| TX21-4116  | Grand Blanc Township Police Department   | 25 - Genesee County | 2185200825 |
| TX21-4317  | Flint Post                               | 25 - Genesee County | 35-1708-21 |
| TX21-4351  | Argentine Township Police Department     | 25 - Genesee County | 2121900077 |
| TX21-4759  | Flint Police Department                  | 25 - Genesee County | 21-095691  |
| TX21-5091  | Flint Post                               | 25 - Genesee County | 35-2043-21 |
| TX21-5165  | Genesee County Parks & Recreation        | 25 - Genesee County | 064-21     |
| TX21-5402  | Flint Post                               | 25 - Genesee County | 35-1901-21 |
| TX21-5445  | Flint Post                               | 25 - Genesee County | 35-2215-21 |
| TX21-5480  | Mt. Morris Township Police Department    | 25 - Genesee County | 21-0662    |
| TX21-5833  | Flint Post                               | 25 - Genesee County | 35-2311-21 |
| TX21-6239  | Argentine Township Police Department     | 25 - Genesee County | 2121900113 |
| TX21-6492  | Genesee County Parks & Recreation        | 25 - Genesee County | 089-21     |
| TX21-6493  | Grand Blanc Township Police Department   | 25 - Genesee County | 2185201359 |
| TX21-6628  | Grand Blanc Township Police Department   | 25 - Genesee County | 2185201219 |



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| TX21-674  | Grand Blanc Township Police Department       | 25 - Genesee County | 2085203958 |
| TX21-6878 | Flint Post                                   | 25 - Genesee County | 35-2773-21 |
| TX21-7038 | Grand Blanc Township Police Department       | 25 - Genesee County | 2185201386 |
| TX21-7178 | Davison Police Department                    | 25 - Genesee County | 21-260     |
| TX21-7240 | Richfield Township Police Department-Davison | 25 - Genesee County | 21-0372    |
| TX21-7329 | Grand Blanc Police Department                | 25 - Genesee County | 2143100212 |
| TX21-76   | Grand Blanc Township Police Department       | 25 - Genesee County | 2085203686 |
| TX21-7647 | Mt. Morris Township Police Department        | 25 - Genesee County | 21-0974    |
| TX21-8140 | Grand Blanc Township Police Department       | 25 - Genesee County | 2185201650 |
| TX21-8316 | Grand Blanc Township Police Department       | 25 - Genesee County | 2185201750 |
| TX21-8923 | Grand Blanc Township Police Department       | 25 - Genesee County | 2185201825 |
| TX21-9050 | Flint Post                                   | 25 - Genesee County | 35-3889-21 |
| TX21-9314 | Argentine Township Police Department         | 25 - Genesee County | 2121900173 |
| TX21-9695 | Burton Police Department                     | 25 - Genesee County | 21-1579    |
| TX22-1096 | Flint Police Department                      | 25 - Genesee County | 22-017220  |
| TX22-1098 | Flint Police Department                      | 25 - Genesee County | 22-008078  |
| TX22-1099 | Flint Police Department                      | 25 - Genesee County | 22-008078  |
| TX22-1134 | Genesee County Sheriff Department            | 25 - Genesee County | 2212500168 |
| TX22-2899 | Flint Police Department                      | 25 - Genesee County | 22-49235   |
| TX22-3063 | Flint Post                                   | 25 - Genesee County | 35-1451-22 |
| TX22-3317 | Davison Township Police Department           | 25 - Genesee County | 22-457     |
| TX22-3318 | Davison Township Police Department           | 25 - Genesee County | 22-457     |
| TX22-3452 | Flint Post                                   | 25 - Genesee County | 35-1667-22 |
| TX22-3454 | Flint Post                                   | 25 - Genesee County | 35-1570-22 |
| TX22-3949 | Flint Post                                   | 25 - Genesee County | 35-1694-22 |
| TX22-4    | Burton Police Department                     | 25 - Genesee County | 2183903587 |
| TX22-4215 | Flint Police Department                      | 25 - Genesee County | 22-83176   |
| TX22-4217 | Flint Police Department                      | 25 - Genesee County | 22-083176  |
| TX22-4219 | Flint Police Department                      | 25 - Genesee County | 22-78713   |
| TX22-4998 | Montrose Township Police Department          | 25 - Genesee County | 22-0143    |
| TX22-5128 | Flint Post                                   | 25 - Genesee County | 35-2520-22 |
| TX22-5133 | Flint Post                                   | 25 - Genesee County | 35-2526-22 |
| TX22-5274 | Grand Blanc Township Police Department       | 25 - Genesee County | 2285201163 |
| TX22-56   | Flint Post                                   | 25 - Genesee County | 35-8859-21 |
| TX22-5739 | Flint Post                                   | 25 - Genesee County | 35-2613-22 |
| TX22-5783 | Flint Police Department                      | 25 - Genesee County | 22-113746  |
| TX22-5785 | Flint Police Department                      | 25 - Genesee County | 22-113746  |
| TX22-5926 | Flint Post                                   | 25 - Genesee County | 35-2827-22 |
| TX22-5933 | Flint Post                                   | 25 - Genesee County | 35-2828-22 |
| TX22-5977 | Grand Blanc Township Police Department       | 25 - Genesee County | 2285201389 |
| TX22-6121 | Flint Post                                   | 25 - Genesee County | 35-2931-22 |
| TX22-6265 | Grand Blanc Township Police Department       | 25 - Genesee County | 2285201361 |
| TX22-627  | Flint Post                                   | 25 - Genesee County | 35-9021-21 |
| TX22-6359 | Grand Blanc Township Police Department       | 25 - Genesee County | 2285201460 |
| TX22-6425 | Davison Township Police Department           | 25 - Genesee County | 22-793     |
| TX22-648  | Genesee County Sheriff Department            | 25 - Genesee County | 2212500070 |
| TX22-6597 | Flint Post                                   | 25 - Genesee County | 35-2832-22 |
| TX22-6930 | Flint Post                                   | 25 - Genesee County | 35-3411-22 |
| TX22-7105 | Flint Police Department                      | 25 - Genesee County | 22-130304  |

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| TX22-7106  | Flint Police Department                  | 25 - Genesee County        | 22142474     |
| TX22-7108  | Flint Police Department                  | 25 - Genesee County        | 22139614     |
| TX22-7120  | Grand Blanc Township Police Department   | 25 - Genesee County        | 2285201672   |
| TX22-752   | Fenton Police Department                 | 25 - Genesee County        | 2022-0246    |
| TX22-7586  | Flint Post                               | 25 - Genesee County        | 35-3758-22   |
| TX22-7590  | Flint Post                               | 25 - Genesee County        | 35-3682-22   |
| TX19-12800 | Gladwin County Sheriff Department        | 26 - Gladwin County        | G-14080-19   |
| TX19-13045 | Gladwin County Sheriff Department        | 26 - Gladwin County        | G-14361-19   |
| TX19-13299 | Beaverton Police Department              | 26 - Gladwin County        | 19-138       |
| TX19-15354 | Beaverton Police Department              | 26 - Gladwin County        | 19-152       |
| TX19-16227 | Gladwin County Sheriff Department        | 26 - Gladwin County        | G-17940-19   |
| TX19-4332  | Gladwin County Sheriff Department        | 26 - Gladwin County        | G-4127-19    |
| TX20-1937  | Gladwin County Sheriff Department        | 26 - Gladwin County        | G-1497-20    |
| TX20-3359  | Gladwin County Sheriff Department        | 26 - Gladwin County        | G-2546-20    |
| TX20-6923  | Gladwin County Sheriff Department        | 26 - Gladwin County        | G-6384-20    |
| TX20-8908  | Gladwin County Sheriff Department        | 26 - Gladwin County        | G-8022-20    |
| TX20-947   | Gladwin County Sheriff Department        | 26 - Gladwin County        | G-0600-20    |
| TX20-9881  | Gladwin County Sheriff Department        | 26 - Gladwin County        | G-8778-20    |
| TX21-781   | Beaverton Police Department              | 26 - Gladwin County        | 20-154       |
| TX22-1393  | Gladwin County Sheriff Department        | 26 - Gladwin County        | G-1023-22    |
| TX22-7157  | Gladwin Police Department                | 26 - Gladwin County        | 22-166       |
| TX19-13396 | Gogebic County Sheriff Department        | 27 - Gogebic County        | 19-006014    |
| TX19-5144  | Wakefield Post                           | 27 - Gogebic County        | 86-176-19    |
| TX20-13528 | Gogebic County Sheriff Department        | 27 - Gogebic County        | 20-004703    |
| TX20-5020  | Gogebic County Sheriff Department        | 27 - Gogebic County        | 20-001980    |
| TX21-11629 | Gogebic County Sheriff Department        | 27 - Gogebic County        | 21-003759    |
| TX21-15867 | Wakefield Post                           | 27 - Gogebic County        | 86-766-21    |
| TX21-6026  | Wakefield Post                           | 27 - Gogebic County        | 86-258-21    |
| TX19-10533 | Seventh District HQ                      | 28 - Grand Traverse County | 70-371-19    |
| TX19-14288 | Grand Traverse County Sheriff Department | 28 - Grand Traverse County | 128-23522-19 |
| TX19-8132  | Seventh District HQ                      | 28 - Grand Traverse County | 70-298-19    |
| TX19-8466  | Grand Traverse County Sheriff Department | 28 - Grand Traverse County | 128-12732-19 |
| TX19-9901  | Seventh District HQ                      | 28 - Grand Traverse County | 70-339-19    |
| TX20-13904 | Grand Traverse County Sheriff Department | 28 - Grand Traverse County | 128-14795-20 |
| TX20-15361 | Grand Traverse County Sheriff Department | 28 - Grand Traverse County | 128-16347-20 |
| TX20-15853 | Grand Traverse County Sheriff Department | 28 - Grand Traverse County | 128-16676-20 |
| TX20-2827  | Traverse City Police Department          | 28 - Grand Traverse County | 781-1707-20  |
| TX20-3015  | Grand Traverse County Sheriff Department | 28 - Grand Traverse County | 128-3030-20  |
| TX20-4952  | Grand Traverse County Sheriff Department | 28 - Grand Traverse County | 128-5613-20  |
| TX20-7200  | Grand Traverse County Sheriff Department | 28 - Grand Traverse County | 128-7823-20  |
| TX21-11015 | Seventh District HQ                      | 28 - Grand Traverse County | 70-330-21    |
| TX21-12078 | Grand Traverse County Sheriff Department | 28 - Grand Traverse County | 128-12584-21 |
| TX21-13589 | Grand Traverse County Sheriff Department | 28 - Grand Traverse County | 128-14359-21 |
| TX21-13873 | Grand Traverse County Sheriff Department | 28 - Grand Traverse County | 128-14489-21 |
| TX21-17831 | Grand Traverse County Sheriff Department | 28 - Grand Traverse County | 128-19269-21 |
| TX21-5785  | Grand Traverse County Sheriff Department | 28 - Grand Traverse County | 128-5301-21  |
| TX22-2782  | Grand Traverse County Sheriff Department | 28 - Grand Traverse County | 128-3056-22  |
| TX22-643   | Grand Traverse County Sheriff Department | 28 - Grand Traverse County | 396-22       |
| TX22-6555  | Grand Traverse County Sheriff Department | 28 - Grand Traverse County | 128-7177-22  |

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| TX19-13862 | Gratiot County Sheriff Department | 29 - Gratiot County | 19-005262 |
| TX19-14157 | Alma Police Department            | 29 - Gratiot County | 19-3448   |
| TX19-14158 | Alma Police Department            | 29 - Gratiot County | 19-3472   |
| TX19-15088 | Alma Police Department            | 29 - Gratiot County | 19-3660   |
| TX19-15089 | Alma Police Department            | 29 - Gratiot County | 19-3710   |
| TX19-4945  | Alma Police Department            | 29 - Gratiot County | 19-894    |
| TX19-5887  | Alma Police Department            | 29 - Gratiot County | 19-1229   |
| TX19-5888  | Alma Police Department            | 29 - Gratiot County | 19-1085   |
| TX19-7278  | Gratiot County Sheriff Department | 29 - Gratiot County | 19-002632 |
| TX19-8661  | St. Louis Police Department       | 29 - Gratiot County | 19-719    |
| TX19-9030  | Alma Police Department            | 29 - Gratiot County | 19-1967   |
| TX19-9726  | Alma Police Department            | 29 - Gratiot County | 19-2171   |
| TX19-9727  | Alma Police Department            | 29 - Gratiot County | 192007    |
| TX20-10003 | St. Louis Police Department       | 29 - Gratiot County | 20-653    |
| TX20-13879 | Alma Police Department            | 29 - Gratiot County | 20-2726   |
| TX20-15485 | Alma Police Department            | 29 - Gratiot County | 20-3068   |
| TX20-1552  | St. Louis Police Department       | 29 - Gratiot County | 20-82     |
| TX20-16152 | Alma Police Department            | 29 - Gratiot County | 20-3218   |
| TX20-2536  | Gratiot County Sheriff Department | 29 - Gratiot County | 20-736    |
| TX20-3951  | Gratiot County Sheriff Department | 29 - Gratiot County | 20-001160 |
| TX20-4321  | Alma Police Department            | 29 - Gratiot County | 20725     |
| TX20-5207  | Gratiot County Sheriff Department | 29 - Gratiot County | 20-001633 |
| TX20-526   | Alma Police Department            | 29 - Gratiot County | 20-0035   |
| TX20-546   | Gratiot County Sheriff Department | 29 - Gratiot County | 20-000055 |
| TX20-6475  | Alma Police Department            | 29 - Gratiot County | 20-1286   |
| TX20-8165  | St. Louis Police Department       | 29 - Gratiot County | 20-545    |
| TX21-01    | Alma Police Department            | 29 - Gratiot County | 20-3696   |
| TX21-02    | Alma Police Department            | 29 - Gratiot County | 20-3684   |
| TX21-11321 | Alma Police Department            | 29 - Gratiot County | 21-2135   |
| TX21-12723 | Alma Police Department            | 29 - Gratiot County | 21-2432   |
| TX21-13829 | Alma Police Department            | 29 - Gratiot County | 21-2608   |
| TX21-14996 | Alma Police Department            | 29 - Gratiot County | 21-2825   |
| TX21-15800 | St. Louis Police Department       | 29 - Gratiot County | 21-951    |
| TX21-1582  | Alma Police Department            | 29 - Gratiot County | 21-301    |
| TX21-15833 | St. Louis Police Department       | 29 - Gratiot County | 21-947    |
| TX21-15853 | Gratiot County Sheriff Department | 29 - Gratiot County | 21-004997 |
| TX21-16922 | Alma Police Department            | 29 - Gratiot County | 21-3265   |
| TX21-18594 | Alma Police Department            | 29 - Gratiot County | 21-3605   |
| TX21-18951 | Alma Police Department            | 29 - Gratiot County | 21-3702   |
| TX22-1056  | Alma Police Department            | 29 - Gratiot County | 22-169    |
| TX22-2452  | Alma Police Department            | 29 - Gratiot County | 22-445    |
| TX22-3425  | St. Louis Police Department       | 29 - Gratiot County | 22-206    |
| TX22-3561  | Gratiot County Sheriff Department | 29 - Gratiot County | 22-1104   |
| TX22-4044  | Gratiot County Sheriff Department | 29 - Gratiot County | 22-1219   |
| TX22-7354  | St. Louis Police Department       | 29 - Gratiot County | 22-477    |
| TX22-7551  | Alma Police Department            | 29 - Gratiot County | 22-1585   |
| TX22-7552  | Alma Police Department            | 29 - Gratiot County | 22-1584   |
| TX22-8019  | Gratiot County Sheriff Department | 29 - Gratiot County | 22-002073 |
| TX19-10661 | Gun Lake Tribe Public Safety      | 3 - Allegan County  | 19-2270   |

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| TX19-10921 | Allegan County Sheriff Department | 3 - Allegan County | 15057-19   |
| TX19-11864 | Wayland Post                      | 3 - Allegan County | 52-5541-19 |
| TX19-11933 | Allegan County Sheriff Department | 3 - Allegan County | 16473-19   |
| TX19-11934 | Allegan County Sheriff Department | 3 - Allegan County | 16540-19   |
| TX19-12459 | Gun Lake Tribe Public Safety      | 3 - Allegan County | 19-2742    |
| TX19-13176 | Allegan County Sheriff Department | 3 - Allegan County | 18210-19   |
| TX19-13177 | Allegan County Sheriff Department | 3 - Allegan County | 18145-19   |
| TX19-14252 | Allegan County Sheriff Department | 3 - Allegan County | 19613-19   |
| TX19-14304 | Wayland Post                      | 3 - Allegan County | 52-6878-19 |
| TX19-14305 | Wayland Post                      | 3 - Allegan County | 52-6799-19 |
| TX19-14757 | Allegan County Sheriff Department | 3 - Allegan County | 20649-19   |
| TX19-15174 | Wayland Post                      | 3 - Allegan County | 52-7293-19 |
| TX19-4263  | Allegan County Sheriff Department | 3 - Allegan County | 5369-19    |
| TX19-5057  | Allegan County Sheriff Department | 3 - Allegan County | 6443-19    |
| TX19-5352  | Allegan County Sheriff Department | 3 - Allegan County | 6771-19    |
| TX19-5354  | Allegan County Sheriff Department | 3 - Allegan County | 6872-19    |
| TX19-6166  | Wayland Post                      | 3 - Allegan County | 52-3117-19 |
| TX19-6848  | Allegan County Sheriff Department | 3 - Allegan County | 8986-19    |
| TX19-6915  | Wayland Post                      | 3 - Allegan County | 52-3446-19 |
| TX19-8529  | Wayland Post                      | 3 - Allegan County | 52-4146-19 |
| TX19-8769  | Wayland Post                      | 3 - Allegan County | 52-4242-19 |
| TX19-8832  | Allegan County Sheriff Department | 3 - Allegan County | 11987-19   |
| TX19-8985  | Plainwell Police Department       | 3 - Allegan County | 460-18     |
| TX19-9155  | Allegan County Sheriff Department | 3 - Allegan County | 12335-19   |
| TX20-10494 | Wayland Police Department         | 3 - Allegan County | 210-20     |
| TX20-10876 | Allegan County Sheriff Department | 3 - Allegan County | 12613-20   |
| TX20-11751 | Wayland Post                      | 3 - Allegan County | 52-4893-20 |
| TX20-1259  | Allegan County Sheriff Department | 3 - Allegan County | 1258-20    |
| TX20-13830 | Allegan County Sheriff Department | 3 - Allegan County | 15859-20   |
| TX20-14442 | Allegan County Sheriff Department | 3 - Allegan County | 16250-20   |
| TX20-16145 | Allegan County Sheriff Department | 3 - Allegan County | 18106-20   |
| TX20-16147 | Allegan County Sheriff Department | 3 - Allegan County | 18239-20   |
| TX20-16151 | Allegan County Sheriff Department | 3 - Allegan County | 18084-20   |
| TX20-1645  | Allegan County Sheriff Department | 3 - Allegan County | 1533-20    |
| TX20-16741 | Gun Lake Tribe Public Safety      | 3 - Allegan County | 20-3294    |
| TX20-2925  | Wayland Post                      | 3 - Allegan County | 52-1048-20 |
| TX20-3123  | Wayland Post                      | 3 - Allegan County | 52-1096-20 |
| TX20-3659  | Allegan County Sheriff Department | 3 - Allegan County | 3572-20    |
| TX20-3914  | Allegan County Sheriff Department | 3 - Allegan County | 4158-20    |
| TX20-41    | Allegan County Sheriff Department | 3 - Allegan County | 23085-19   |
| TX20-4110  | Wayland Post                      | 3 - Allegan County | 52-1561-20 |
| TX20-6316  | Allegan County Sheriff Department | 3 - Allegan County | 7481-20    |
| TX20-6452  | Wayland Post                      | 3 - Allegan County | 52-3090-20 |
| TX20-8263  | Allegan Police Department         | 3 - Allegan County | 1656-20    |
| TX21-10555 | Allegan County Sheriff Department | 3 - Allegan County | 11425-21   |
| TX21-10842 | Allegan County Sheriff Department | 3 - Allegan County | 11830-21   |
| TX21-11052 | Otsego Police Department          | 3 - Allegan County | 21-1229    |
| TX21-11547 | Allegan County Sheriff Department | 3 - Allegan County | 12878-21   |
| TX21-13709 | Allegan County Sheriff Department | 3 - Allegan County | 15388-21   |

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| TX21-17096 | Wayland Post                        | 3 - Allegan County    | 52-5372-21 |
| TX21-19737 | Allegan County Sheriff Department   | 3 - Allegan County    | 23119-21   |
| TX21-19738 | Allegan County Sheriff Department   | 3 - Allegan County    | 23199-21   |
| TX21-31    | Allegan County Sheriff Department   | 3 - Allegan County    | 21570-20   |
| TX21-33    | Allegan County Sheriff Department   | 3 - Allegan County    | 21325-20   |
| TX21-34    | Allegan County Sheriff Department   | 3 - Allegan County    | 21251-20   |
| TX21-3656  | Allegan County Sheriff Department   | 3 - Allegan County    | 3805-21    |
| TX21-4349  | Allegan County Sheriff Department   | 3 - Allegan County    | 4403-21    |
| TX21-4795  | Gun Lake Tribe Public Safety        | 3 - Allegan County    | 21-778     |
| TX21-5047  | Wayland Post                        | 3 - Allegan County    | 52-1702-21 |
| TX21-644   | Allegan County Sheriff Department   | 3 - Allegan County    | 309-21     |
| TX21-6780  | Allegan County Sheriff Department   | 3 - Allegan County    | 6988-21    |
| TX21-7579  | Allegan County Sheriff Department   | 3 - Allegan County    | 7253-21    |
| TX22-1986  | Wayland Post                        | 3 - Allegan County    | 52-583-22  |
| TX22-6124  | Allegan County Sheriff Department   | 3 - Allegan County    | 7190-22    |
| TX22-6679  | Allegan County Sheriff Department   | 3 - Allegan County    | 7886-22    |
| TX22-6949  | Allegan County Sheriff Department   | 3 - Allegan County    | 5787-22    |
| TX22-839   | Allegan County Sheriff Department   | 3 - Allegan County    | 603-22     |
| TX19-10680 | Litchfield Police Department        | 30 - Hillsdale County | 19-1097    |
| TX19-11536 | Hillsdale Police Department         | 30 - Hillsdale County | 19-3998    |
| TX19-11537 | Hillsdale Police Department         | 30 - Hillsdale County | 19-4225    |
| TX19-13502 | Somerset Township Police Department | 30 - Hillsdale County | 19-599     |
| TX19-6324  | Hillsdale County Sheriff Department | 30 - Hillsdale County | 19-2930    |
| TX19-6800  | Hillsdale County Sheriff Department | 30 - Hillsdale County | 19-3224    |
| TX19-9781  | Hillsdale Police Department         | 30 - Hillsdale County | 19-3681    |
| TX20-14516 | Hillsdale Police Department         | 30 - Hillsdale County | 20-3696    |
| TX20-18138 | Hillsdale County Sheriff Department | 30 - Hillsdale County | 20-7498    |
| TX20-2282  | Hillsdale County Sheriff Department | 30 - Hillsdale County | 20-751     |
| TX20-8042  | Hillsdale County Sheriff Department | 30 - Hillsdale County | 20-3510    |
| TX21-16664 | Hillsdale Police Department         | 30 - Hillsdale County | 21-3862    |
| TX21-3145  | Hillsdale Police Department         | 30 - Hillsdale County | 21-824     |
| TX21-4556  | Hillsdale County Sheriff Department | 30 - Hillsdale County | 21-1611    |
| TX21-5724  | Hillsdale Police Department         | 30 - Hillsdale County | 21-1486    |
| TX22-1010  | Hillsdale County Sheriff Department | 30 - Hillsdale County | 22-0258    |
| TX22-2827  | Hillsdale Police Department         | 30 - Hillsdale County | 22-583     |
| TX19-11886 | Houghton County Sheriff Department  | 31 - Houghton County  | 31-2076-19 |
| TX19-4775  | Hancock Police Department           | 31 - Houghton County  | 19-786     |
| TX19-5065  | Calumet Post                        | 31 - Houghton County  | 87-737-19  |
| TX19-7935  | Calumet Post                        | 31 - Houghton County  | 87-1192-19 |
| TX20-10056 | Calumet Post                        | 31 - Houghton County  | 87-1186-20 |
| TX20-15466 | Houghton County Sheriff Department  | 31 - Houghton County  | 31226120   |
| TX20-1658  | Calumet Post                        | 31 - Houghton County  | 87-168-20  |
| TX21-15753 | Houghton Police Department          | 31 - Houghton County  | 2395-21    |
| TX22-1767  | Houghton County Sheriff Department  | 31 - Houghton County  | 252-22     |
| TX22-476   | Calumet Post                        | 31 - Houghton County  | 87-16-22   |
| TX22-5801  | Calumet Post                        | 31 - Houghton County  | 87-693-22  |
| TX19-4414  | Huron County Sheriff Department     | 32 - Huron County     | 2610-19    |
| TX19-5621  | Huron County Sheriff Department     | 32 - Huron County     | 3462-19    |
| TX19-6796  | Huron County Sheriff Department     | 32 - Huron County     | 4203-19    |

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| TX19-6936  | Huron County Sheriff Department             | 32 - Huron County  | 4561-19    |
| TX19-9686  | Huron County Sheriff Department             | 32 - Huron County  | 190006290  |
| TX19-9748  | Huron County Sheriff Department             | 32 - Huron County  | 6426-19    |
| TX20-14896 | Bad Axe Police Department                   | 32 - Huron County  | 20-1579    |
| TX20-16933 | Bad Axe Police Department                   | 32 - Huron County  | 20-01752   |
| TX20-17944 | Huron County Sheriff Department             | 32 - Huron County  | 200008519  |
| TX20-6606  | Ubyly Police Department                     | 32 - Huron County  | 20-176     |
| TX20-8538  | Huron County Sheriff Department             | 32 - Huron County  | 200003995  |
| TX21-11176 | Huron County Sheriff Department             | 32 - Huron County  | 210005496  |
| TX21-2290  | Huron County Sheriff Department             | 32 - Huron County  | 210001017  |
| TX21-2906  | Harbor Beach Police Department              | 32 - Huron County  | 185-21     |
| TX21-7365  | Harbor Beach Police Department              | 32 - Huron County  | 485-21     |
| TX21-7461  | Huron County Sheriff Department             | 32 - Huron County  | 210003396  |
| TX22-349   | Huron County Sheriff Department             | 32 - Huron County  | 210010671  |
| TX19-11447 | Williamston Police Department               | 33 - Ingham County | 1982600215 |
| TX19-11783 | MDNR - Law Enforcement Division Lansing     | 33 - Ingham County | 1999801216 |
| TX19-13355 | Michigan State University Police Department | 33 - Ingham County | 1958102848 |
| TX19-14329 | Ingham County Sheriff Department            | 33 - Ingham County | 1913305420 |
| TX19-14742 | MDNR - Law Enforcement Division Lansing     | 33 - Ingham County | 1999801586 |
| TX19-15337 | First District HQ                           | 33 - Ingham County | 10-822-19  |
| TX19-4542  | East Lansing Police Department              | 33 - Ingham County | 1936401491 |
| TX19-5992  | Lansing Police Department                   | 33 - Ingham County | 1951903937 |
| TX19-8000  | Lansing Police Department                   | 33 - Ingham County | 1951906323 |
| TX19-8270  | Lansing Post                                | 33 - Ingham County | 11-3149-19 |
| TX20-11372 | First District HQ                           | 33 - Ingham County | 10-688-20  |
| TX20-11684 | Lansing Police Department                   | 33 - Ingham County | 2051907610 |
| TX20-12    | Lansing Post                                | 33 - Ingham County | 11-10-20   |
| TX20-12712 | Lansing Township Police Department          | 33 - Ingham County | 2084301177 |
| TX20-15920 | Lansing Police Department                   | 33 - Ingham County | 2051909989 |
| TX20-16429 | Williamston Police Department               | 33 - Ingham County | 2082600222 |
| TX20-18347 | Michigan State University Police Department | 33 - Ingham County | 2058101720 |
| TX20-2380  | MDNR - Law Enforcement Division Lansing     | 33 - Ingham County | 2099800197 |
| TX20-4433  | Lansing Police Department                   | 33 - Ingham County | 2051903145 |
| TX20-5310  | Lansing Police Department                   | 33 - Ingham County | 2051904421 |
| TX20-6843  | Lansing Police Department                   | 33 - Ingham County | 2051905149 |
| TX20-7775  | Ingham County Sheriff Department            | 33 - Ingham County | 2013302476 |
| TX20-8797  | First District HQ                           | 33 - Ingham County | 10-546-20  |
| TX20-9467  | East Lansing Police Department              | 33 - Ingham County | 2036401896 |
| TX20-9471  | East Lansing Police Department              | 33 - Ingham County | 2036401762 |
| TX21-07    | Lansing Police Department                   | 33 - Ingham County | 2051913034 |
| TX21-11    | Lansing Police Department                   | 33 - Ingham County | 2051913156 |
| TX21-1135  | Ingham County Sheriff Department            | 33 - Ingham County | 2113300147 |
| TX21-1294  | MDNR - Law Enforcement Division Lansing     | 33 - Ingham County | 2199800109 |
| TX21-12940 | Hometown Security Team - 1st District HQ    | 33 - Ingham County | 10-654-21  |
| TX21-13043 | Ingham County Sheriff Department            | 33 - Ingham County | 2113303243 |
| TX21-13355 | First District HQ                           | 33 - Ingham County | 10-673-21  |
| TX21-13535 | Lansing Post                                | 33 - Ingham County | 11-3212-21 |
| TX21-16728 | Ingham County Sheriff Department            | 33 - Ingham County | 2113304446 |
| TX21-17488 | Lansing Police Department                   | 33 - Ingham County | 2151910122 |

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| TX21-18953 | East Lansing Police Department                           | 33 - Ingham County   | 2136403661    |
| TX21-2079  | First District HQ                                        | 33 - Ingham County   | 10-116-21     |
| TX21-2478  | MDNR - Law Enforcement Division Lansing                  | 33 - Ingham County   | 2199800214    |
| TX21-4096  | Meridian Township Police Department                      | 33 - Ingham County   | 2192600921    |
| TX21-4751  | First District HQ                                        | 33 - Ingham County   | 10-245-21     |
| TX21-5084  | Michigan State University Police Department              | 33 - Ingham County   | 2158100498    |
| TX21-5085  | Michigan State University Police Department              | 33 - Ingham County   | 2158100401    |
| TX21-5597  | Lansing Township Police Department                       | 33 - Ingham County   | 2184300468    |
| TX21-5632  | Leslie Police Department                                 | 33 - Ingham County   | 21-190        |
| TX21-7992  | Ingham County Sheriff Department                         | 33 - Ingham County   | 2113301986    |
| TX21-8047  | Lansing Post                                             | 33 - Ingham County   | 11-1891-21    |
| TX21-8072  | Williamston Police Department                            | 33 - Ingham County   | 2182600150    |
| TX21-8305  | Lansing Post                                             | 33 - Ingham County   | 11-1948-21    |
| TX21-8549  | Lansing Post                                             | 33 - Ingham County   | 11-2018-21    |
| TX22-1254  | Lansing Post                                             | 33 - Ingham County   | 11-283-22     |
| TX22-1840  | MDNR - Law Enforcement Division Lansing                  | 33 - Ingham County   | 2299800122    |
| TX22-2130  | Lansing Post                                             | 33 - Ingham County   | 11-541-22     |
| TX22-2810  | Meridian Township Police Department                      | 33 - Ingham County   | 2292600868    |
| TX22-3815  | Lansing Post                                             | 33 - Ingham County   | 11-1024-22    |
| TX22-533   | First District HQ                                        | 33 - Ingham County   | 10-10-22      |
| TX22-5949  | Lansing Post                                             | 33 - Ingham County   | 11-1580-22    |
| TX22-8164  | First District HQ                                        | 33 - Ingham County   | 10-388-22     |
| TX22-9711  | First District HQ                                        | 33 - Ingham County   | 10-433-22     |
| TX20-13381 | Ionia County Sheriff Department                          | 34 - Ionia County    | 2020-00005156 |
| TX20-13637 | Ionia County Sheriff Department                          | 34 - Ionia County    | 2020-00005241 |
| TX20-16805 | Ionia County Sheriff Department                          | 34 - Ionia County    | 2020-00006314 |
| TX20-3790  | Ionia County Sheriff Department                          | 34 - Ionia County    | 1423-20       |
| TX21-12494 | Ionia County Sheriff Department                          | 34 - Ionia County    | SH21-04223    |
| TX21-15090 | Ionia County Sheriff Department                          | 34 - Ionia County    | SH21-05176    |
| TX21-5345  | Ionia County Sheriff Department                          | 34 - Ionia County    | SH21-01893    |
| TX22-2995  | Ionia County Sheriff Department                          | 34 - Ionia County    | SH22-01137    |
| TX22-6430  | Ionia County Sheriff Department                          | 34 - Ionia County    | SH22-02369    |
| TX19-15046 | Tawas Police Authority                                   | 35 - Iosco County    | 365-318-19    |
| TX19-7048  | Oscoda Township Police Department                        | 35 - Iosco County    | 19-1680       |
| TX19-8803  | Oscoda Township Police Department                        | 35 - Iosco County    | 19-2277       |
| TX21-6690  | Tawas Police Department                                  | 35 - Iosco County    | 2177400054    |
| TX19-10542 | Iron River Police Department                             | 36 - Iron County     | 1949300329    |
| TX19-4192  | Iron County Sheriff Department                           | 36 - Iron County     | 19-0488       |
| TX19-12150 | Mt. Pleasant Post                                        | 37 - Isabella County | 63-3265-19    |
| TX19-12420 | Isabella County Sheriff Department                       | 37 - Isabella County | 19-01859      |
| TX19-13551 | Central Michigan University Police Department            | 37 - Isabella County | 19-0460       |
| TX19-5600  | Central Michigan University Police Department            | 37 - Isabella County | 19-0215       |
| TX19-6192  | Central Michigan University Police Department            | 37 - Isabella County | 19-0226       |
| TX19-8627  | Saginaw Chippewa Tribal Police Department - Mt. Pleasant | 37 - Isabella County | 19TP00569     |
| TX20-11299 | Isabella County Sheriff Department                       | 37 - Isabella County | 20-001386     |
| TX20-13910 | Isabella County Sheriff Department                       | 37 - Isabella County | 20-001715     |
| TX20-3598  | Mt. Pleasant Post                                        | 37 - Isabella County | 63-629-20     |
| TX20-4335  | Mt. Pleasant Post                                        | 37 - Isabella County | 63-825-20     |
| TX20-7838  | Isabella County Sheriff Department                       | 37 - Isabella County | 20-001036     |

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| TX20-9434  | Mt. Pleasant Post                    | 37 - Isabella County | 63-2187-20   |
| TX21-10408 | Mt. Pleasant Police Department       | 37 - Isabella County | 2021-01280   |
| TX21-15184 | Mt. Pleasant Police Department       | 37 - Isabella County | 2021-01856   |
| TX21-16438 | Mt. Pleasant Police Department       | 37 - Isabella County | 2021-02080   |
| TX21-19281 | Isabella County Sheriff Department   | 37 - Isabella County | 21-002675    |
| TX21-5729  | Isabella County Sheriff Department   | 37 - Isabella County | 21-000680    |
| TX21-6268  | Mt. Pleasant Post                    | 37 - Isabella County | 63-1003-21   |
| TX21-6763  | Mt. Pleasant Police Department       | 37 - Isabella County | 202100831    |
| TX22-5512  | Mt. Pleasant Post                    | 37 - Isabella County | 63-1044-22   |
| TX19-10403 | Jackson County Sheriff Department    | 38 - Jackson County  | 138-16941-19 |
| TX19-11227 | Jackson Post                         | 38 - Jackson County  | 13-5554-19   |
| TX19-12073 | Jackson Police Department            | 38 - Jackson County  | 497-25098-19 |
| TX19-12186 | Jackson Post                         | 38 - Jackson County  | 13-6025-19   |
| TX19-13303 | Jackson County Sheriff Department    | 38 - Jackson County  | 138-22388-19 |
| TX19-13977 | Jackson Police Department            | 38 - Jackson County  | 497-30063-19 |
| TX19-14193 | Jackson Post                         | 38 - Jackson County  | 13-7265-19   |
| TX19-15257 | Jackson Post                         | 38 - Jackson County  | 13-7898-19   |
| TX19-15975 | Blackman Twp. Dept. of Public Safety | 38 - Jackson County  | 890-24749-19 |
| TX19-4028  | Jackson Police Department            | 38 - Jackson County  | 497-06385-19 |
| TX19-4145  | Napoleon Township Police Department  | 38 - Jackson County  | 606-847-19   |
| TX19-4687  | Blackman Twp. Dept. of Public Safety | 38 - Jackson County  | 890-6605-19  |
| TX19-4806  | Jackson Police Department            | 38 - Jackson County  | 497-09575-19 |
| TX19-5220  | Jackson Post                         | 38 - Jackson County  | 13-2509-19   |
| TX19-5714  | Jackson Post                         | 38 - Jackson County  | 13-2738-19   |
| TX19-5864  | Jackson Post                         | 38 - Jackson County  | 13-2781-19   |
| TX19-6193  | Jackson Post                         | 38 - Jackson County  | 13-2966-19   |
| TX19-6576  | Jackson Post                         | 38 - Jackson County  | 13-3154-19   |
| TX19-8725  | Napoleon Township Police Department  | 38 - Jackson County  | 606-1802-19  |
| TX19-9977  | Jackson Post                         | 38 - Jackson County  | 13-4927-19   |
| TX20-10280 | Blackman Twp. Dept. of Public Safety | 38 - Jackson County  | 890-11018-20 |
| TX20-11545 | Jackson County Sheriff Department    | 38 - Jackson County  | 138-15011-20 |
| TX20-12258 | Blackman Twp. Dept. of Public Safety | 38 - Jackson County  | 890-14204-20 |
| TX20-12289 | Jackson County Sheriff Department    | 38 - Jackson County  | 138-15820-20 |
| TX20-12345 | Jackson Post                         | 38 - Jackson County  | 13-4622-20   |
| TX20-12350 | Jackson Post                         | 38 - Jackson County  | 13-4694-20   |
| TX20-12816 | Jackson Police Department            | 38 - Jackson County  | 497-20469-20 |
| TX20-12848 | Jackson County Sheriff Department    | 38 - Jackson County  | 138-15724-20 |
| TX20-13554 | Blackman Twp. Dept. of Public Safety | 38 - Jackson County  | 890-15152-20 |
| TX20-14311 | Jackson Police Department            | 38 - Jackson County  | 497-21607-20 |
| TX20-1449  | Jackson Post                         | 38 - Jackson County  | 13-576-20    |
| TX20-14659 | Blackman Twp. Dept. of Public Safety | 38 - Jackson County  | 890-16207-20 |
| TX20-15026 | Jackson County Sheriff Department    | 38 - Jackson County  | 138-18863-20 |
| TX20-15125 | Jackson County Sheriff Department    | 38 - Jackson County  | 138-18996-20 |
| TX20-15169 | Jackson County Sheriff Department    | 38 - Jackson County  | 138-19107-20 |
| TX20-15555 | Jackson Post                         | 38 - Jackson County  | 13-5767-20   |
| TX20-15814 | Blackman Twp. Dept. of Public Safety | 38 - Jackson County  | 890-17277-20 |
| TX20-1792  | Blackman Twp. Dept. of Public Safety | 38 - Jackson County  | 890-1964-20  |
| TX20-18079 | Jackson Post                         | 38 - Jackson County  | 13-6806-20   |
| TX20-1941  | Jackson County Sheriff Department    | 38 - Jackson County  | 138-2585-20  |



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| TX20-2066  | Jackson County Sheriff Department             | 38 - Jackson County   | 138-2422-20  |
| TX20-224   | Jackson County Sheriff Department             | 38 - Jackson County   | 138-28338-19 |
| TX20-2599  | Blackman Twp. Dept. of Public Safety          | 38 - Jackson County   | 890-2835-20  |
| TX20-3084  | Blackman Twp. Dept. of Public Safety          | 38 - Jackson County   | 890-3525-20  |
| TX20-3252  | Jackson Post                                  | 38 - Jackson County   | 13-1365-20   |
| TX20-3538  | Blackman Twp. Dept. of Public Safety          | 38 - Jackson County   | 890-4087-20  |
| TX20-4811  | Jackson Police Department                     | 38 - Jackson County   | 497-08623-20 |
| TX20-5671  | Jackson Post                                  | 38 - Jackson County   | 13-2448-20   |
| TX20-6441  | Jackson Police Department                     | 38 - Jackson County   | 497-10758-20 |
| TX20-6638  | Jackson County Sheriff Department             | 38 - Jackson County   | 138-8651-20  |
| TX20-7229  | Jackson Post                                  | 38 - Jackson County   | 13-2970-20   |
| TX20-7264  | Jackson County Sheriff Department             | 38 - Jackson County   | 138-08338-20 |
| TX20-7624  | Blackman Twp. Dept. of Public Safety          | 38 - Jackson County   | 890-9151-20  |
| TX20-7810  | Jackson Post                                  | 38 - Jackson County   | 13-3260-20   |
| TX20-9100  | Napoleon Township Police Department           | 38 - Jackson County   | 1342-20      |
| TX20-9415  | Jackson County Sheriff Department             | 38 - Jackson County   | 138-12536-20 |
| TX20-9673  | Jackson County Sheriff Department             | 38 - Jackson County   | 138-12655-20 |
| TX20-9832  | Jackson Post                                  | 38 - Jackson County   | 13-3988-20   |
| TX21-11785 | Jackson County Sheriff Department             | 38 - Jackson County   | 138-12813-21 |
| TX21-14312 | Jackson Police Department                     | 38 - Jackson County   | 497-22961-21 |
| TX21-15697 | Jackson Post                                  | 38 - Jackson County   | 13-5780-21   |
| TX21-3592  | Blackman Twp. Dept. of Public Safety          | 38 - Jackson County   | 890-3238-21  |
| TX21-4702  | Jackson Post                                  | 38 - Jackson County   | 13-1588-21   |
| TX21-5250  | Jackson County Sheriff Department             | 38 - Jackson County   | 138-5457-21  |
| TX21-7565  | Blackman Twp. Dept. of Public Safety          | 38 - Jackson County   | 890-7732-21  |
| TX21-8300  | Jackson Police Department                     | 38 - Jackson County   | 497-13397-21 |
| TX21-8502  | Jackson Post                                  | 38 - Jackson County   | 13-2983-21   |
| TX22-1353  | Jackson Police Department                     | 38 - Jackson County   | 497-01885-22 |
| TX22-3234  | Jackson County Sheriff Department             | 38 - Jackson County   | 138-3535-22  |
| TX22-5083  | Jackson County Sheriff Department             | 38 - Jackson County   | 138-5729-22  |
| TX22-5296  | Jackson Police Department                     | 38 - Jackson County   | 497-07661-22 |
| TX22-5703  | Jackson County Sheriff Department             | 38 - Jackson County   | 138-06552-22 |
| TX22-6086  | Jackson Police Department                     | 38 - Jackson County   | 497-08617-22 |
| TX22-6672  | Jackson Post                                  | 38 - Jackson County   | 13-2844-22   |
| TX22-6873  | Blackman Twp. Dept. of Public Safety          | 38 - Jackson County   | 890-07440-22 |
| TX22-7127  | Jackson County Sheriff Department             | 38 - Jackson County   | 138-8789-22  |
| TX22-7750  | Jackson Police Department                     | 38 - Jackson County   | 497-12514-22 |
| TX19-11159 | Kalamazoo County Sheriff Department           | 39 - Kalamazoo County | 19-9729      |
| TX19-11950 | Portage Police Department                     | 39 - Kalamazoo County | 19-23794     |
| TX19-15159 | Western Michigan University Police Department | 39 - Kalamazoo County | 19-14147     |
| TX19-15463 | Augusta Police Department                     | 39 - Kalamazoo County | 19-000338    |
| TX19-15841 | Augusta Police Department                     | 39 - Kalamazoo County | 19-000351    |
| TX19-4132  | Kalamazoo County Sheriff Department           | 39 - Kalamazoo County | 19-003497    |
| TX20-10781 | Kalamazoo County Sheriff Department           | 39 - Kalamazoo County | 20-8104      |
| TX20-11229 | Kalamazoo Township Police Department          | 39 - Kalamazoo County | 20-002296    |
| TX20-12424 | Kalamazoo County Sheriff Department           | 39 - Kalamazoo County | 20-9093      |
| TX20-14043 | Portage Police Department                     | 39 - Kalamazoo County | 20-25940     |
| TX20-18140 | Portage Police Department                     | 39 - Kalamazoo County | 20-33986     |
| TX20-4605  | Kalamazoo Township Police Department          | 39 - Kalamazoo County | 20-001036    |

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| TX20-5060  | Kalamazoo County Sheriff Department   | 39 - Kalamazoo County | 20-3883     |
| TX20-5167  | Schoolcraft Police Department         | 39 - Kalamazoo County | 20-203      |
| TX20-7319  | Kalamazoo County Sheriff Department   | 39 - Kalamazoo County | 20-5678     |
| TX20-8816  | Kalamazoo County Sheriff Department   | 39 - Kalamazoo County | 20-6784     |
| TX20-9184  | Kalamazoo County Sheriff Department   | 39 - Kalamazoo County | 20-7109     |
| TX21-10417 | Portage Police Department             | 39 - Kalamazoo County | 21-18540    |
| TX21-11238 | Kalamazoo Township Police Department  | 39 - Kalamazoo County | 21-002420   |
| TX21-12090 | Kalamazoo Township Police Department  | 39 - Kalamazoo County | 21-002605   |
| TX21-14192 | Richland Police Department            | 39 - Kalamazoo County | 21-507      |
| TX21-1483  | Kalamazoo Township Police Department  | 39 - Kalamazoo County | 21-000247   |
| TX21-15404 | Kalamazoo County Sheriff Department   | 39 - Kalamazoo County | 21-123806   |
| TX21-15953 | Kalamazoo County Sheriff Department   | 39 - Kalamazoo County | 21-124911   |
| TX21-17351 | Kalamazoo Department of Public Safety | 39 - Kalamazoo County | 21-018253   |
| TX21-396   | Kalamazoo County Sheriff Department   | 39 - Kalamazoo County | 21-00074    |
| TX21-4447  | Kalamazoo County Sheriff Department   | 39 - Kalamazoo County | 21-3210     |
| TX21-4731  | Richland Police Department            | 39 - Kalamazoo County | 21-129      |
| TX21-504   | Kalamazoo Township Police Department  | 39 - Kalamazoo County | 20-003980   |
| TX21-7060  | Portage Police Department             | 39 - Kalamazoo County | 21-12639    |
| TX22-1511  | Richland Police Department            | 39 - Kalamazoo County | 22-45       |
| TX22-2984  | Kalamazoo Township Police Department  | 39 - Kalamazoo County | 22-000645   |
| TX22-441   | Kalamazoo County Sheriff Department   | 39 - Kalamazoo County | 21-135149   |
| TX22-442   | Kalamazoo County Sheriff Department   | 39 - Kalamazoo County | 22-006      |
| TX22-7736  | Richland Police Department            | 39 - Kalamazoo County | 22-281      |
| TX19-11987 | Alpena Post                           | 4 - Alpena County     | 74-2856-19  |
| TX19-13555 | Alpena Post                           | 4 - Alpena County     | 74-3163-19  |
| TX19-14664 | Alpena Police Department              | 4 - Alpena County     | 19-3428     |
| TX19-15776 | Alpena Police Department              | 4 - Alpena County     | 19-3642     |
| TX19-16057 | Alpena Post                           | 4 - Alpena County     | 74-3783-19  |
| TX19-5030  | Alpena Post                           | 4 - Alpena County     | 74-1179-19  |
| TX19-8558  | Alpena Post                           | 4 - Alpena County     | 74-2066-19  |
| TX20-11950 | Alpena Post                           | 4 - Alpena County     | 74-2276-20  |
| TX20-12373 | Alpena Post                           | 4 - Alpena County     | 74-2377-20  |
| TX20-12740 | Alpena Police Department              | 4 - Alpena County     | 20-2220     |
| TX20-1862  | Alpena Post                           | 4 - Alpena County     | 74-326-20   |
| TX20-4635  | Alpena Police Department              | 4 - Alpena County     | 20-778      |
| TX20-6267  | Alpena Post                           | 4 - Alpena County     | 74-1286-20  |
| TX21-11267 | Alpena Post                           | 4 - Alpena County     | 74-1702-21  |
| TX21-12273 | Alpena Police Department              | 4 - Alpena County     | 21-2195     |
| TX21-1839  | Alpena Post                           | 4 - Alpena County     | 74-261-21   |
| TX21-19641 | Alpena Post                           | 4 - Alpena County     | 74-3094-21  |
| TX22-215   | Alpena Post                           | 4 - Alpena County     | 74-3200-21  |
| TX22-5476  | Alpena Post                           | 4 - Alpena County     | 74-904-22   |
| TX19-10873 | Kalkaska County Sheriff Department    | 40 - Kalkaska County  | 140-3163-19 |
| TX21-11658 | Kalkaska Police Department            | 40 - Kalkaska County  | 502-537-21  |
| TX21-1200  | Kalkaska Police Department            | 40 - Kalkaska County  | 502-37-21   |
| TX21-12899 | Kalkaska County Sheriff Department    | 40 - Kalkaska County  | 214002829   |
| TX21-3571  | Kalkaska County Sheriff Department    | 40 - Kalkaska County  | 140-796-21  |
| TX21-7887  | Kalkaska County Sheriff Department    | 40 - Kalkaska County  | 21KS-1774   |
| TX22-1632  | Kalkaska County Sheriff Department    | 40 - Kalkaska County  | 22400349    |

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| TX22-1633  | Kalkaska County Sheriff Department | 40 - Kalkaska County | 22400330    |
| TX22-6338  | Kalkaska Police Department         | 40 - Kalkaska County | 502-492-22  |
| TX19-10857 | Grand Rapids Police Department     | 41 - Kent County     | Not Given   |
| TX19-11157 | Kent County Sheriff Department     | 41 - Kent County     | 19-145895   |
| TX19-11353 | Kentwood Police Department         | 41 - Kent County     | 19-17599    |
| TX19-11414 | Grand Rapids Police Department     | 41 - Kent County     | 19-061676   |
| TX19-11635 | Grand Rapids Post                  | 41 - Kent County     | 61-6753-19  |
| TX19-11682 | Grand Rapids Police Department     | 41 - Kent County     | 19-062704   |
| TX19-12268 | Kent County Sheriff Department     | 41 - Kent County     | 19-149504   |
| TX19-13713 | Grand Rapids Police Department     | 41 - Kent County     | 19-074723   |
| TX19-13717 | Kent County Sheriff Department     | 41 - Kent County     | 19-156240   |
| TX19-13904 | Kent County Sheriff Department     | 41 - Kent County     | 19-156938   |
| TX19-13927 | Grand Rapids Post                  | 41 - Kent County     | 61-8518-19  |
| TX19-14214 | Kent County Sheriff Department     | 41 - Kent County     | 19-158998   |
| TX19-14930 | Kentwood Police Department         | 41 - Kent County     | 24019-19    |
| TX19-14931 | Kentwood Police Department         | 41 - Kent County     | 23765-19    |
| TX19-15038 | Grand Rapids Post                  | 41 - Kent County     | 61-9518-19  |
| TX19-15171 | Wyoming Dept. of Public Safety     | 41 - Kent County     | 19-55008    |
| TX19-15532 | Grand Rapids Police Department     | 41 - Kent County     | 19-085672   |
| TX19-15713 | Grand Rapids Post                  | 41 - Kent County     | 61-9863-19  |
| TX19-15986 | Grand Rapids Post                  | 41 - Kent County     | 61-10122-19 |
| TX19-4339  | Kent County Sheriff Department     | 41 - Kent County     | 19-116781   |
| TX19-4340  | Kent County Sheriff Department     | 41 - Kent County     | 19-116752   |
| TX19-5034  | Kentwood Police Department         | 41 - Kent County     | 7637-19     |
| TX19-5036  | Wyoming Dept. of Public Safety     | 41 - Kent County     | 19-9824     |
| TX19-5441  | Grand Rapids Post                  | 41 - Kent County     | 61-3192-19  |
| TX19-5778  | Grand Rapids Post                  | 41 - Kent County     | 61-3372-19  |
| TX19-6025  | Kent County Sheriff Department     | 41 - Kent County     | 19-124039   |
| TX19-6138  | Kent County Sheriff Department     | 41 - Kent County     | 19-124571   |
| TX19-6431  | Kentwood Police Department         | 41 - Kent County     | 19-9561     |
| TX19-6611  | Kent County Sheriff Department     | 41 - Kent County     | 19-126820   |
| TX19-7009  | Grand Rapids Police Department     | 41 - Kent County     | 19-036985   |
| TX19-7769  | Walker Police Department           | 41 - Kent County     | 19-5642     |
| TX19-7782  | Grand Rapids Police Department     | 41 - Kent County     | 19-041826   |
| TX19-8174  | Grand Rapids Post                  | 41 - Kent County     | 61-4833-19  |
| TX19-8686  | Grand Rapids Police Department     | 41 - Kent County     | 19-047003   |
| TX19-8990  | Grand Rapids Post                  | 41 - Kent County     | 61-5251-19  |
| TX19-9063  | Kent County Sheriff Department     | 41 - Kent County     | 19-136568   |
| TX19-9655  | Grand Rapids Post                  | 41 - Kent County     | 61-5737-19  |
| TX19-9996  | Kent County Sheriff Department     | 41 - Kent County     | 19-140909   |
| TX20-10250 | Wyoming Dept. of Public Safety     | 41 - Kent County     | 20-17329    |
| TX20-10251 | Wyoming Dept. of Public Safety     | 41 - Kent County     | 20-18022    |
| TX20-1061  | Grand Rapids Police Department     | 41 - Kent County     | 20-004138   |
| TX20-10846 | Kent County Sheriff Department     | 41 - Kent County     | 20-130218   |
| TX20-1116  | Kentwood Police Department         | 41 - Kent County     | 980-20      |
| TX20-11503 | Kent County Sheriff Department     | 41 - Kent County     | 20-131761   |
| TX20-11774 | Grand Rapids Police Department     | 41 - Kent County     | 20-049911   |
| TX20-13385 | Kent County Sheriff Department     | 41 - Kent County     | 20-136110   |
| TX20-13934 | Grand Rapids Post                  | 41 - Kent County     | 61-6168-20  |

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| TX20-1414  | Wyoming Dept. of Public Safety | 41 - Kent County | 20-1863    |
| TX20-1417  | Wyoming Dept. of Public Safety | 41 - Kent County | 20-2117    |
| TX20-14290 | Wyoming Dept. of Public Safety | 41 - Kent County | 20-24070   |
| TX20-14803 | Grand Rapids Post              | 41 - Kent County | 61-6676-20 |
| TX20-14919 | Grand Rapids Post              | 41 - Kent County | 61-6741-20 |
| TX20-14920 | Grand Rapids Post              | 41 - Kent County | 61-6758-20 |
| TX20-15985 | Grand Rapids Post              | 41 - Kent County | 61-7268-20 |
| TX20-16641 | Grand Rapids Post              | 41 - Kent County | 61-7724-20 |
| TX20-16957 | Kentwood Police Department     | 41 - Kent County | 20-17125   |
| TX20-17229 | Grand Rapids Police Department | 41 - Kent County | 20-069299  |
| TX20-17281 | Kent County Sheriff Department | 41 - Kent County | 20-147111  |
| TX20-17401 | Kent County Sheriff Department | 41 - Kent County | 20-146986  |
| TX20-17535 | Grand Rapids Police Department | 41 - Kent County | 20-071444  |
| TX20-17541 | Grand Rapids Police Department | 41 - Kent County | 20-071273  |
| TX20-17959 | Grand Rapids Post              | 41 - Kent County | 61-8347-20 |
| TX20-18022 | Kent County Sheriff Department | 41 - Kent County | 20-149826  |
| TX20-18116 | Grand Rapids Post              | 41 - Kent County | 61-8455-20 |
| TX20-18567 | Grand Rapids Police Department | 41 - Kent County | 20-075675  |
| TX20-18615 | Grand Rapids Post              | 41 - Kent County | 61-8924-20 |
| TX20-18643 | Kent County Sheriff Department | 41 - Kent County | 20-152286  |
| TX20-301   | Kent County Sheriff Department | 41 - Kent County | 20-100293  |
| TX20-3173  | Kent County Sheriff Department | 41 - Kent County | 20-109658  |
| TX20-3977  | Grand Rapids Post              | 41 - Kent County | 61-1746-20 |
| TX20-4976  | Grand Rapids Police Department | 41 - Kent County | 20-023531  |
| TX20-5701  | Grand Rapids Police Department | 41 - Kent County | 20-027259  |
| TX20-5906  | Wyoming Dept. of Public Safety | 41 - Kent County | 20-10407   |
| TX20-5980  | Grand Rapids Police Department | 41 - Kent County | 20-028819  |
| TX20-6184  | Grand Rapids Post              | 41 - Kent County | 61-2948-20 |
| TX20-6346  | Grand Rapids Police Department | 41 - Kent County | 20-029973  |
| TX20-6382  | Grand Rapids Post              | 41 - Kent County | 61-3149-20 |
| TX20-6930  | Grand Rapids Police Department | 41 - Kent County | 20-031954  |
| TX20-6934  | Grand Rapids Police Department | 41 - Kent County | 20-32286   |
| TX20-7075  | Grand Rapids Post              | 41 - Kent County | 61343620   |
| TX20-7087  | Grand Rapids Police Department | 41 - Kent County | 20-031190  |
| TX20-7225  | Wyoming Dept. of Public Safety | 41 - Kent County | 20-13367   |
| TX20-7518  | Grandville Police Department   | 41 - Kent County | 20-3578    |
| TX20-8287  | Kent County Sheriff Department | 41 - Kent County | 20-124382  |
| TX20-8703  | Grand Rapids Police Department | 41 - Kent County | 20-038878  |
| TX20-9590  | Kent County Sheriff Department | 41 - Kent County | 20-127533  |
| TX20-988   | Grand Rapids Police Department | 41 - Kent County | 20-003856  |
| TX20-9893  | Kentwood Police Department     | 41 - Kent County | 20-10734   |
| TX21-10784 | Grand Rapids Police Department | 41 - Kent County | 21-042045  |
| TX21-11432 | Grand Rapids Police Department | 41 - Kent County | 21-044591  |
| TX21-11634 | Grand Rapids Police Department | 41 - Kent County | 21-045118  |
| TX21-1187  | Grand Rapids Police Department | 41 - Kent County | 21-003512  |
| TX21-12019 | Kent County Sheriff Department | 41 - Kent County | 21-135705  |
| TX21-12491 | Grandville Police Department   | 41 - Kent County | 21-4800    |
| TX21-13431 | Kent County Sheriff Department | 41 - Kent County | 21-139499  |
| TX21-13728 | Grand Rapids Police Department | 41 - Kent County | 21-052567  |

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| TX21-13872 | Grand Rapids Post              | 41 - Kent County | 61-6280-21 |
| TX21-1440  | Grand Rapids Police Department | 41 - Kent County | 21-004888  |
| TX21-14747 | Kent County Sheriff Department | 41 - Kent County | 21-142743  |
| TX21-15826 | Kent County Sheriff Department | 41 - Kent County | 21-146412  |
| TX21-15872 | Wyoming Dept. of Public Safety | 41 - Kent County | 21-25800   |
| TX21-16126 | Grand Rapids Police Department | 41 - Kent County | 21-061924  |
| TX21-1663  | Grand Rapids Police Department | 41 - Kent County | 21-006276  |
| TX21-17889 | Grand Rapids Police Department | 41 - Kent County | 21-068868  |
| TX21-18393 | Kent County Sheriff Department | 41 - Kent County | 21-154393  |
| TX21-18394 | Kent County Sheriff Department | 41 - Kent County | 21-154360  |
| TX21-19773 | Kentwood Police Department     | 41 - Kent County | 21-23788   |
| TX21-2126  | Wyoming Dept. of Public Safety | 41 - Kent County | 21-2757    |
| TX21-2309  | Walker Police Department       | 41 - Kent County | 20211321   |
| TX21-2419  | Grand Rapids Post              | 41 - Kent County | 61-1084-21 |
| TX21-2668  | Grand Rapids Police Department | 41 - Kent County | 21-010857  |
| TX21-2753  | Wyoming Dept. of Public Safety | 41 - Kent County | 21-04040   |
| TX21-2821  | Kent County Sheriff Department | 41 - Kent County | 21-107761  |
| TX21-3092  | Walker Police Department       | 41 - Kent County | 17-1763    |
| TX21-3902  | Grand Rapids Police Department | 41 - Kent County | 21-014860  |
| TX21-3921  | Grand Rapids Post              | 41 - Kent County | 61-1672-21 |
| TX21-4129  | Sixth District HQ              | 41 - Kent County | 60-96-21   |
| TX21-4135  | Walker Police Department       | 41 - Kent County | 21-2499    |
| TX21-4411  | Kent County Sheriff Department | 41 - Kent County | 21-112695  |
| TX21-5793  | Kent County Sheriff Department | 41 - Kent County | 21-116475  |
| TX21-5933  | Grand Rapids Post              | 41 - Kent County | 61-2463-21 |
| TX21-5934  | Grand Rapids Police Department | 41 - Kent County | 21-023299  |
| TX21-6052  | Grand Rapids Post              | 41 - Kent County | 61-2487-21 |
| TX21-6887  | Grand Rapids Post              | 41 - Kent County | 61-2924-21 |
| TX21-7279  | Kent County Sheriff Department | 41 - Kent County | 21-121172  |
| TX21-7644  | Kent County Sheriff Department | 41 - Kent County | 21-121658  |
| TX21-7658  | Wyoming Dept. of Public Safety | 41 - Kent County | 21-11501   |
| TX21-7883  | Kent County Sheriff Department | 41 - Kent County | 21-123012  |
| TX21-8136  | Grand Rapids Police Department | 41 - Kent County | 21-032269  |
| TX21-8737  | Wyoming Dept. of Public Safety | 41 - Kent County | 21-13997   |
| TX21-988   | Kent County Sheriff Department | 41 - Kent County | 21-101980  |
| TX21-9946  | Kent County Sheriff Department | 41 - Kent County | 21-129421  |
| TX22-1200  | Walker Police Department       | 41 - Kent County | 22-775     |
| TX22-1518  | Grand Rapids Police Department | 41 - Kent County | 22-005057  |
| TX22-1559  | Kent County Sheriff Department | 41 - Kent County | 22-103936  |
| TX22-1859  | Grand Rapids Police Department | 41 - Kent County | 22-005783  |
| TX22-252   | Grand Rapids Post              | 41 - Kent County | 61-3-22    |
| TX22-253   | Grand Rapids Post              | 41 - Kent County | 61-15-22   |
| TX22-2659  | Grand Rapids Police Department | 41 - Kent County | 22-009268  |
| TX22-3040  | Grand Rapids Post              | 41 - Kent County | 61-1779-22 |
| TX22-3414  | Kent County Sheriff Department | 41 - Kent County | 22-110606  |
| TX22-4499  | Grand Rapids Police Department | 41 - Kent County | 22-016771  |
| TX22-5173  | Kentwood Police Department     | 41 - Kent County | 22-6160    |
| TX22-5448  | Kent County Sheriff Department | 41 - Kent County | 22-116894  |
| TX22-552   | Grand Rapids Police Department | 41 - Kent County | 22-000717  |

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| TX22-6390  | Walker Police Department            | 41 - Kent County     | 22-4317    |
| TX22-7174  | Wyoming Dept. of Public Safety      | 41 - Kent County     | 22-13886   |
| TX22-7701  | Grand Rapids Post                   | 41 - Kent County     | 61-4490-22 |
| TX22-949   | Kent County Sheriff Department      | 41 - Kent County     | 22-102476  |
| TX19-7842  | Keweenaw County Sheriff Department  | 42 - Keweenaw County | 19-431     |
| TX19-13032 | Almont Police Department            | 44 - Lapeer County   | 190003042  |
| TX19-14711 | Lapeer Post                         | 44 - Lapeer County   | 34-3853-19 |
| TX19-15425 | Lapeer Post                         | 44 - Lapeer County   | 34-4197-19 |
| TX19-15628 | Lapeer Post                         | 44 - Lapeer County   | 34-4295-19 |
| TX19-15944 | Lapeer Post                         | 44 - Lapeer County   | 34-4394-19 |
| TX19-16313 | Lapeer County Sheriff Department    | 44 - Lapeer County   | 190026961  |
| TX19-6685  | Lapeer County Sheriff Department    | 44 - Lapeer County   | 190010847  |
| TX19-7147  | Lapeer County Sheriff Department    | 44 - Lapeer County   | 190012590  |
| TX19-8647  | Lapeer County Sheriff Department    | 44 - Lapeer County   | 190014814  |
| TX19-9213  | Lapeer County Sheriff Department    | 44 - Lapeer County   | 190015587  |
| TX20-10875 | Almont Police Department            | 44 - Lapeer County   | 20-1529    |
| TX20-11149 | Lapeer Post                         | 44 - Lapeer County   | 34-2743-20 |
| TX20-11150 | Lapeer Post                         | 44 - Lapeer County   | 34-2717-20 |
| TX20-13058 | Lapeer Post                         | 44 - Lapeer County   | 34-3157-20 |
| TX20-17140 | Lapeer Post                         | 44 - Lapeer County   | 34-4281-20 |
| TX20-17612 | Imlay City Police Department        | 44 - Lapeer County   | 200001726  |
| TX20-2401  | Lapeer Police Department            | 44 - Lapeer County   | 200001116  |
| TX20-4169  | Lapeer Post                         | 44 - Lapeer County   | 34-939-20  |
| TX20-5917  | Lapeer County Sheriff Department    | 44 - Lapeer County   | 200007080  |
| TX20-6649  | Lapeer County Sheriff Department    | 44 - Lapeer County   | 200007604  |
| TX20-7139  | Lapeer Police Department            | 44 - Lapeer County   | 200003572  |
| TX20-7789  | Lapeer Post                         | 44 - Lapeer County   | 34-1998-20 |
| TX20-9252  | Lapeer Post                         | 44 - Lapeer County   | 34-2392-20 |
| TX20-9253  | Lapeer Post                         | 44 - Lapeer County   | 34-2320-20 |
| TX20-9993  | Lapeer County Sheriff Department    | 44 - Lapeer County   | 200011409  |
| TX21-10170 | Lapeer Post                         | 44 - Lapeer County   | 34-2504-21 |
| TX21-10485 | Lapeer County Sheriff Department    | 44 - Lapeer County   | 210010445  |
| TX21-10488 | Lapeer Post                         | 44 - Lapeer County   | 34-2539-21 |
| TX21-15616 | Lapeer County Sheriff Department    | 44 - Lapeer County   | 210016011  |
| TX21-16669 | Lapeer Post                         | 44 - Lapeer County   | 34-4022-21 |
| TX21-17181 | Lapeer Post                         | 44 - Lapeer County   | 34-4270-21 |
| TX21-19197 | Dryden Township Police Department   | 44 - Lapeer County   | 210002847  |
| TX21-2503  | Lapeer Police Department            | 44 - Lapeer County   | 210000764  |
| TX21-3378  | Dryden Township Police Department   | 44 - Lapeer County   | 210000605  |
| TX21-3403  | Lapeer County Sheriff Department    | 44 - Lapeer County   | 210002980  |
| TX21-3686  | Lapeer Post                         | 44 - Lapeer County   | 34-855-21  |
| TX21-5737  | Metamora Township Police Department | 44 - Lapeer County   | 210000503  |
| TX21-6045  | Dryden Township Police Department   | 44 - Lapeer County   | 21-1075    |
| TX21-7713  | Lapeer County Sheriff Department    | 44 - Lapeer County   | 210007381  |
| TX21-796   | Dryden Township Police Department   | 44 - Lapeer County   | 210000095  |
| TX21-8611  | Lapeer County Sheriff Department    | 44 - Lapeer County   | 210008281  |
| TX21-8933  | Lapeer Post                         | 44 - Lapeer County   | 34-2149-21 |
| TX21-9448  | Almont Police Department            | 44 - Lapeer County   | 21-1025    |
| TX21-9983  | Lapeer County Sheriff Department    | 44 - Lapeer County   | 210001004  |

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| TX22-5421  | Dryden Township Police Department            | 44 - Lapeer County     | 220000838  |
| TX22-7966  | Lapeer Police Department                     | 44 - Lapeer County     | 220003573  |
| TX19-6466  | Leelanau County Sheriff Department           | 45 - Leelanau County   | 19-4110    |
| TX20-18136 | Grand Traverse Band Tribal Police Department | 45 - Leelanau County   | 2000745    |
| TX20-4135  | Leelanau County Sheriff Department           | 45 - Leelanau County   | 20-2062    |
| TX19-11889 | Hudson Police Department                     | 46 - Lenawee County    | 190001539  |
| TX19-15471 | Clinton Police Department                    | 46 - Lenawee County    | 19-1746    |
| TX19-6362  | Adrian Police Department                     | 46 - Lenawee County    | 190005377  |
| TX19-7312  | Tecumseh Police Department                   | 46 - Lenawee County    | 19-2549    |
| TX19-8835  | Adrian Police Department                     | 46 - Lenawee County    | 190007759  |
| TX20-1014  | Tecumseh Police Department                   | 46 - Lenawee County    | 20-205     |
| TX20-15834 | Lenawee County Sheriff Department            | 46 - Lenawee County    | 200010432  |
| TX20-16924 | Adrian Township Police Department            | 46 - Lenawee County    | 200001056  |
| TX20-1986  | Adrian Police Department                     | 46 - Lenawee County    | 200001615  |
| TX20-2931  | Adrian Township Police Department            | 46 - Lenawee County    | 200000167  |
| TX20-7186  | Adrian Police Department                     | 46 - Lenawee County    | 200005547  |
| TX20-946   | Cambridge Township Police Department         | 46 - Lenawee County    | 200000059  |
| TX21-12113 | Tecumseh Police Department                   | 46 - Lenawee County    | 21-2435    |
| TX21-15966 | Adrian Township Police Department            | 46 - Lenawee County    | 210001171  |
| TX21-3405  | Madison Township Police Department           | 46 - Lenawee County    | 21000379   |
| TX21-4509  | Adrian Police Department                     | 46 - Lenawee County    | 210002748  |
| TX21-5498  | Adrian Police Department                     | 46 - Lenawee County    | 210003348  |
| TX21-5684  | Lenawee County Sheriff Department            | 46 - Lenawee County    | 210003386  |
| TX22-6945  | Adrian Township Police Department            | 46 - Lenawee County    | 220000330  |
| TX22-7984  | Raisin Township Police Department            | 46 - Lenawee County    | 220000651  |
| TX19-11382 | Brighton Post                                | 47 - Livingston County | 12-6471-19 |
| TX19-11468 | Brighton Post                                | 47 - Livingston County | 12-6596-19 |
| TX19-11923 | Brighton Post                                | 47 - Livingston County | 12-3758-19 |
| TX19-12326 | Brighton Post                                | 47 - Livingston County | 12-7105-19 |
| TX19-12408 | Brighton Post                                | 47 - Livingston County | 12-7140-19 |
| TX19-12411 | Brighton Post                                | 47 - Livingston County | 12-6679-19 |
| TX19-13132 | Brighton Post                                | 47 - Livingston County | 12-7619-19 |
| TX19-13247 | Brighton Post                                | 47 - Livingston County | 12-7692-19 |
| TX19-13436 | Brighton Post                                | 47 - Livingston County | 12-7878-19 |
| TX19-14007 | Brighton Post                                | 47 - Livingston County | 12-8243-19 |
| TX19-14110 | Hamburg Township Police Department           | 47 - Livingston County | 19-00837   |
| TX19-14340 | Brighton Post                                | 47 - Livingston County | 12-8370-19 |
| TX19-14956 | Brighton Post                                | 47 - Livingston County | 12-8980-19 |
| TX19-15895 | Pinckney Police Department                   | 47 - Livingston County | 19-00303   |
| TX19-16442 | Hamburg Township Police Department           | 47 - Livingston County | 19-01022   |
| TX19-4485  | Livingston County Sheriff Department         | 47 - Livingston County | 19-01510   |
| TX19-5047  | Brighton Post                                | 47 - Livingston County | 12-2001-19 |
| TX19-5250  | Livingston County Sheriff Department         | 47 - Livingston County | 19-01731   |
| TX19-5361  | Livingston County Sheriff Department         | 47 - Livingston County | 19-01773   |
| TX19-5686  | Livingston County Sheriff Department         | 47 - Livingston County | 19-01861   |
| TX19-5712  | Brighton Post                                | 47 - Livingston County | 12-3332-19 |
| TX19-6164  | Brighton Post                                | 47 - Livingston County | 12-3549-19 |
| TX19-6842  | Brighton Post                                | 47 - Livingston County | 12-3966-19 |
| TX19-7369  | Livingston County Sheriff Department         | 47 - Livingston County | 19-02504   |

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| TX19-8214  | Brighton Post                        | 47 - Livingston County | 12-4806-19 |
| TX19-8518  | Brighton Post                        | 47 - Livingston County | 12-4895-19 |
| TX19-9433  | Brighton Post                        | 47 - Livingston County | 12-5451-19 |
| TX19-9883  | Brighton Post                        | 47 - Livingston County | 12-5593-19 |
| TX20-10271 | Brighton Post                        | 47 - Livingston County | 12-4288-20 |
| TX20-1072  | Livingston County Sheriff Department | 47 - Livingston County | 20-00310   |
| TX20-11834 | Livingston County Sheriff Department | 47 - Livingston County | 20-03230   |
| TX20-12200 | Hamburg Township Police Department   | 47 - Livingston County | 20-00732   |
| TX20-12282 | Green Oak Township Police Department | 47 - Livingston County | 20-00923   |
| TX20-13648 | Livingston County Sheriff Department | 47 - Livingston County | 20-03689   |
| TX20-14413 | Brighton Post                        | 47 - Livingston County | 12-5760-20 |
| TX20-1444  | Brighton Post                        | 47 - Livingston County | 12-224-20  |
| TX20-1462  | Hamburg Township Police Department   | 47 - Livingston County | 20-00081   |
| TX20-15724 | Fowlerville Police Department        | 47 - Livingston County | 20-001038  |
| TX20-15774 | Brighton Post                        | 47 - Livingston County | 12-6208-20 |
| TX20-17409 | Pinckney Police Department           | 47 - Livingston County | 20-00247   |
| TX20-1808  | Livingston County Sheriff Department | 47 - Livingston County | 20-00523   |
| TX20-18099 | Howell Police Department             | 47 - Livingston County | 20-10170   |
| TX20-18469 | Fowlerville Police Department        | 47 - Livingston County | 20-1321    |
| TX20-2322  | Brighton Post                        | 47 - Livingston County | 12-857-20  |
| TX20-268   | Brighton Post                        | 47 - Livingston County | 12-0060-20 |
| TX20-4109  | Brighton Post                        | 47 - Livingston County | 12-1771-20 |
| TX20-4282  | Livingston County Sheriff Department | 47 - Livingston County | 20-01293   |
| TX20-5062  | Livingston County Sheriff Department | 47 - Livingston County | 20-01547   |
| TX20-8245  | Livingston County Sheriff Department | 47 - Livingston County | 20-02391   |
| TX20-8973  | Brighton Post                        | 47 - Livingston County | 12-3896-20 |
| TX20-9025  | Livingston County Sheriff Department | 47 - Livingston County | 20-02556   |
| TX20-9026  | Livingston County Sheriff Department | 47 - Livingston County | 20-02521   |
| TX20-9027  | Livingston County Sheriff Department | 47 - Livingston County | 20-02551   |
| TX20-9283  | Howell Police Department             | 47 - Livingston County | 20-05769   |
| TX20-9426  | Livingston County Sheriff Department | 47 - Livingston County | 20-2699    |
| TX20-9752  | Brighton Post                        | 47 - Livingston County | 12-4184-20 |
| TX21-10266 | Green Oak Township Police Department | 47 - Livingston County | 21-00714   |
| TX21-11070 | Green Oak Township Police Department | 47 - Livingston County | 21-00777   |
| TX21-11082 | Brighton Post                        | 47 - Livingston County | 12-4175-21 |
| TX21-1125  | Brighton Post                        | 47 - Livingston County | 12-396-21  |
| TX21-11278 | Fowlerville Police Department        | 47 - Livingston County | 21-00740   |
| TX21-11317 | Brighton Post                        | 47 - Livingston County | 12-4285-21 |
| TX21-12023 | Livingston County Sheriff Department | 47 - Livingston County | 21-03187   |
| TX21-12584 | Brighton Post                        | 47 - Livingston County | 12-4664-21 |
| TX21-13351 | Brighton Post                        | 47 - Livingston County | 12-5057-21 |
| TX21-15088 | Fowlerville Police Department        | 47 - Livingston County | 21-976     |
| TX21-15732 | Fowlerville Police Department        | 47 - Livingston County | 21-01026   |
| TX21-16407 | Fowlerville Police Department        | 47 - Livingston County | 21-01074   |
| TX21-17940 | Livingston County Sheriff Department | 47 - Livingston County | 21-04911   |
| TX21-18067 | Fowlerville Police Department        | 47 - Livingston County | 21-01191   |
| TX21-1808  | Fowlerville Police Department        | 47 - Livingston County | 20-00110   |
| TX21-18166 | Brighton Post                        | 47 - Livingston County | 12-7332-21 |
| TX21-2132  | Brighton Post                        | 47 - Livingston County | 12-844-21  |



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| TX21-2390  | Livingston County Sheriff Department | 47 - Livingston County | 21-00718   |
| TX21-2680  | Livingston County Sheriff Department | 47 - Livingston County | 21-00803   |
| TX21-2839  | Brighton Post                        | 47 - Livingston County | 12-1142-21 |
| TX21-3731  | Pinckney Police Department           | 47 - Livingston County | 21-00036   |
| TX21-4027  | Hamburg Township Police Department   | 47 - Livingston County | 21-00207   |
| TX21-4290  | Brighton Post                        | 47 - Livingston County | 12-1548-21 |
| TX21-4451  | Livingston County Sheriff Department | 47 - Livingston County | 21-01287   |
| TX21-4496  | Fowlerville Police Department        | 47 - Livingston County | 21-00287   |
| TX21-4642  | Green Oak Township Police Department | 47 - Livingston County | 21-00290   |
| TX21-4770  | Brighton Post                        | 47 - Livingston County | 12-1754-21 |
| TX21-481   | Fowlerville Police Department        | 47 - Livingston County | 20-0004    |
| TX21-5278  | Brighton Post                        | 47 - Livingston County | 12-1837-21 |
| TX21-7123  | Howell Police Department             | 47 - Livingston County | 21-03439   |
| TX21-7394  | Brighton Post                        | 47 - Livingston County | 12-2634-21 |
| TX21-8395  | Fowlerville Police Department        | 47 - Livingston County | 21-00542   |
| TX21-9721  | Fowlerville Police Department        | 47 - Livingston County | 21-00635   |
| TX22-3955  | Howell Police Department             | 47 - Livingston County | 22-01633   |
| TX22-4853  | Fowlerville Police Department        | 47 - Livingston County | 22-251     |
| TX22-5051  | Brighton Police Department           | 47 - Livingston County | 22-00279   |
| TX22-5273  | Fowlerville Police Department        | 47 - Livingston County | 22-00280   |
| TX22-5892  | Fowlerville Police Department        | 47 - Livingston County | 22-000321  |
| TX22-6229  | Fowlerville Police Department        | 47 - Livingston County | 22-00341   |
| TX22-6230  | Fowlerville Police Department        | 47 - Livingston County | 22-00337   |
| TX22-8053  | Brighton Post                        | 47 - Livingston County | 12-3832-22 |
| TX19-13668 | St. Ignace Post                      | 49 - Mackinac County   | 83-925-19  |
| TX19-14071 | St. Ignace Post                      | 49 - Mackinac County   | 83-961-19  |
| TX19-16281 | St. Ignace Police Department         | 49 - Mackinac County   | 19-1012    |
| TX19-5536  | St. Ignace Post                      | 49 - Mackinac County   | 83-342-19  |
| TX19-5704  | St. Ignace Post                      | 49 - Mackinac County   | 83-353-19  |
| TX19-6647  | St. Ignace Post                      | 49 - Mackinac County   | 83-411-19  |
| TX19-7310  | St. Ignace Post                      | 49 - Mackinac County   | 83-455-19  |
| TX19-7529  | St. Ignace Post                      | 49 - Mackinac County   | 83-476-19  |
| TX19-8064  | St. Ignace Post                      | 49 - Mackinac County   | 83-515-19  |
| TX19-8743  | St. Ignace Post                      | 49 - Mackinac County   | 83-568-19  |
| TX19-9661  | St. Ignace Post                      | 49 - Mackinac County   | 83-632-19  |
| TX20-10420 | St. Ignace Post                      | 49 - Mackinac County   | 83-622-20  |
| TX20-11070 | St. Ignace Post                      | 49 - Mackinac County   | 83-663-20  |
| TX20-11340 | St. Ignace Post                      | 49 - Mackinac County   | 83-671-20  |
| TX20-13778 | St. Ignace Post                      | 49 - Mackinac County   | 83-812-20  |
| TX20-254   | St. Ignace Post                      | 49 - Mackinac County   | 83-1134-19 |
| TX20-3892  | St. Ignace Post                      | 49 - Mackinac County   | 83-196-20  |
| TX20-3978  | St. Ignace Post                      | 49 - Mackinac County   | 83-202-20  |
| TX20-5245  | St. Ignace Post                      | 49 - Mackinac County   | 83-296-20  |
| TX20-569   | St. Ignace Post                      | 49 - Mackinac County   | 83-12-20   |
| TX20-6988  | St. Ignace Post                      | 49 - Mackinac County   | 83-391-20  |
| TX20-7702  | St. Ignace Post                      | 49 - Mackinac County   | 83-440-20  |
| TX20-8095  | St. Ignace Post                      | 49 - Mackinac County   | 83-477-20  |
| TX20-8746  | St. Ignace Post                      | 49 - Mackinac County   | 83-520-20  |
| TX21-10424 | St. Ignace Post                      | 49 - Mackinac County   | 83-526-21  |

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| TX21-11292 | St. Ignace Post                     | 49 - Mackinac County | 83-595-21   |
| TX21-16021 | St. Ignace Police Department        | 49 - Mackinac County | 21-866      |
| TX21-18079 | St. Ignace Post                     | 49 - Mackinac County | 83-894-21   |
| TX21-4078  | St. Ignace Post                     | 49 - Mackinac County | 83-166-21   |
| TX21-8272  | St. Ignace Post                     | 49 - Mackinac County | 83-365-21   |
| TX21-8612  | Mackinac County Sheriff Department  | 49 - Mackinac County | 149-739-21  |
| TX19-11957 | Antrim County Sheriff Department    | 5 - Antrim County    | 2019-002879 |
| TX19-13387 | Antrim County Sheriff Department    | 5 - Antrim County    | 2019-003236 |
| TX19-10292 | Shelby Township Police Department   | 50 - Macomb County   | 19-24880    |
| TX19-10377 | Macomb County Sheriff Department    | 50 - Macomb County   | 67480-19    |
| TX19-10616 | Shelby Township Police Department   | 50 - Macomb County   | 19-25949    |
| TX19-11843 | Macomb County Sheriff Department    | 50 - Macomb County   | 75391-19    |
| TX19-12040 | Utica Police Department             | 50 - Macomb County   | 19-9543     |
| TX19-13156 | Roseville Police Department         | 50 - Macomb County   | 19-26247    |
| TX19-13669 | Sterling Heights Police Department  | 50 - Macomb County   | 19-41950    |
| TX19-13762 | Sterling Heights Police Department  | 50 - Macomb County   | 19-42401    |
| TX19-13967 | New Baltimore Police Department     | 50 - Macomb County   | 19-6475     |
| TX19-14237 | Utica Police Department             | 50 - Macomb County   | 19-11479    |
| TX19-14257 | Chesterfield Twp. Police Department | 50 - Macomb County   | 201922651   |
| TX19-14790 | Utica Police Department             | 50 - Macomb County   | 19-12215    |
| TX19-15748 | Macomb County Sheriff Department    | 50 - Macomb County   | 102962-19   |
| TX19-16026 | Utica Police Department             | 50 - Macomb County   | 19-13208    |
| TX19-4021  | Warren Police Department            | 50 - Macomb County   | 19-14237    |
| TX19-4809  | Sterling Heights Police Department  | 50 - Macomb County   | 19-13546    |
| TX19-6546  | Macomb County Sheriff Department    | 50 - Macomb County   | 43058-19    |
| TX19-6807  | Macomb County Sheriff Department    | 50 - Macomb County   | 43648-19    |
| TX19-6824  | Warren Police Department            | 50 - Macomb County   | 19-22201    |
| TX19-7540  | Roseville Police Department         | 50 - Macomb County   | 19-14890    |
| TX19-8411  | Macomb County Sheriff Department    | 50 - Macomb County   | 53848-19    |
| TX19-8991  | Roseville Police Department         | 50 - Macomb County   | 19-17206    |
| TX19-9180  | Macomb County Sheriff Department    | 50 - Macomb County   | 55847-19    |
| TX19-9191  | St. Clair Shores Police Department  | 50 - Macomb County   | 190015495   |
| TX19-9492  | Shelby Township Police Department   | 50 - Macomb County   | 19-23299    |
| TX19-9565  | Shelby Township Police Department   | 50 - Macomb County   | 19-22750    |
| TX19-9600  | Chesterfield Twp. Police Department | 50 - Macomb County   | 2019-14759  |
| TX20-11527 | Richmond Police Department          | 50 - Macomb County   | 20-1917     |
| TX20-12557 | Chesterfield Twp. Police Department | 50 - Macomb County   | 2020-16723  |
| TX20-12559 | Chesterfield Twp. Police Department | 50 - Macomb County   | 2020-16655  |
| TX20-14032 | Macomb County Sheriff Department    | 50 - Macomb County   | 83809-20    |
| TX20-14096 | St. Clair Shores Police Department  | 50 - Macomb County   | 20-16221    |
| TX20-147   | Utica Police Department             | 50 - Macomb County   | 19-13723    |
| TX20-15536 | Roseville Police Department         | 50 - Macomb County   | 20-21788    |
| TX20-15634 | Macomb County Sheriff Department    | 50 - Macomb County   | 90634-20    |
| TX20-15664 | Sterling Heights Police Department  | 50 - Macomb County   | 2066967     |
| TX20-1586  | Macomb County Sheriff Department    | 50 - Macomb County   | Not Given   |
| TX20-16041 | New Baltimore Police Department     | 50 - Macomb County   | 2020-4578   |
| TX20-16593 | Macomb County Sheriff Department    | 50 - Macomb County   | 94430-20    |
| TX20-16715 | Utica Police Department             | 50 - Macomb County   | 20-12668    |
| TX20-17560 | Macomb County Sheriff Department    | 50 - Macomb County   | 98290-20    |

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| TX20-17796 | Chesterfield Twp. Police Department | 50 - Macomb County | 202023761  |
| TX20-18123 | Shelby Township Police Department   | 50 - Macomb County | 20-33034   |
| TX20-18338 | Macomb County Sheriff Department    | 50 - Macomb County | 105570-20  |
| TX20-18512 | Utica Police Department             | 50 - Macomb County | 20-14013   |
| TX20-198   | Eastpointe Police Department        | 50 - Macomb County | 19-26084   |
| TX20-2237  | Macomb County Sheriff Department    | 50 - Macomb County | 13087-20   |
| TX20-2567  | Sterling Heights Police Department  | 50 - Macomb County | 20-14195   |
| TX20-2726  | Macomb County Sheriff Department    | 50 - Macomb County | 18078-20   |
| TX20-2747  | St. Clair Shores Police Department  | 50 - Macomb County | 20-3277    |
| TX20-3038  | Warren Police Department            | 50 - Macomb County | 20-9656    |
| TX20-3065  | Macomb County Sheriff Department    | 50 - Macomb County | 19531-20   |
| TX20-414   | Shelby Township Police Department   | 50 - Macomb County | 19-41041   |
| TX20-5415  | Macomb County Sheriff Department    | 50 - Macomb County | 37736-20   |
| TX20-5823  | Clinton Township Police Department  | 50 - Macomb County | 20-12371   |
| TX20-6040  | Macomb County Sheriff Department    | 50 - Macomb County | 46362-20   |
| TX20-6188  | St. Clair Shores Police Department  | 50 - Macomb County | 20-7883    |
| TX20-6269  | Clinton Township Police Department  | 50 - Macomb County | 20-13451   |
| TX20-6613  | Warren Police Department            | 50 - Macomb County | 20-22087   |
| TX20-6950  | Macomb County Sheriff Department    | 50 - Macomb County | 50107-20   |
| TX20-7162  | New Baltimore Police Department     | 50 - Macomb County | 20-2161    |
| TX20-7544  | St. Clair Shores Police Department  | 50 - Macomb County | 20-8896    |
| TX20-7680  | Macomb County Sheriff Department    | 50 - Macomb County | 54476-20   |
| TX20-8014  | Clinton Township Police Department  | 50 - Macomb County | 20-17254   |
| TX20-8185  | Chesterfield Twp. Police Department | 50 - Macomb County | 2020-11477 |
| TX20-8208  | Macomb County Sheriff Department    | 50 - Macomb County | 57399-20   |
| TX20-8552  | Macomb County Sheriff Department    | 50 - Macomb County | 15386-20   |
| TX20-912   | Macomb County Sheriff Department    | 50 - Macomb County | 2550-20    |
| TX20-9700  | Utica Police Department             | 50 - Macomb County | 20-6788    |
| TX20-9815  | Sterling Heights Police Department  | 50 - Macomb County | 2020-48268 |
| TX21-10335 | Warren Police Department            | 50 - Macomb County | 21-30396   |
| TX21-10795 | Macomb County Sheriff Department    | 50 - Macomb County | 68516-21   |
| TX21-1118  | Macomb County Sheriff Department    | 50 - Macomb County | Not Given  |
| TX21-1226  | Macomb County Sheriff Department    | 50 - Macomb County | 5254-21    |
| TX21-1361  | Macomb County Sheriff Department    | 50 - Macomb County | 6012-21    |
| TX21-14806 | Macomb County Sheriff Department    | 50 - Macomb County | 89861-21   |
| TX21-14934 | Utica Police Department             | 50 - Macomb County | 21-9630    |
| TX21-15516 | Clinton Township Police Department  | 50 - Macomb County | 21-41617   |
| TX21-15551 | Roseville Police Department         | 50 - Macomb County | 21-25933   |
| TX21-15869 | Warren Police Department            | 50 - Macomb County | 21-48903   |
| TX21-16915 | Macomb County Sheriff Department    | 50 - Macomb County | 102677-21  |
| TX21-17338 | Clinton Township Police Department  | 50 - Macomb County | 21-46877   |
| TX21-17673 | Warren Police Department            | 50 - Macomb County | 21-55360   |
| TX21-1788  | St. Clair Shores Police Department  | 50 - Macomb County | 21-1682    |
| TX21-1896  | Macomb County Sheriff Department    | 50 - Macomb County | 6705-21    |
| TX21-18998 | Fraser Police Department            | 50 - Macomb County | 21-12311   |
| TX21-19436 | Macomb County Sheriff Department    | 50 - Macomb County | 117433-21  |
| TX21-19592 | Sterling Heights Police Department  | 50 - Macomb County | 21-89856   |
| TX21-222   | Utica Police Department             | 50 - Macomb County | 20-14158   |
| TX21-4102  | Chesterfield Twp. Police Department | 50 - Macomb County | 21-5013    |

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| TX21-5509  | Clinton Township Police Department                                       | 50 - Macomb County    | 21-12881    |
| TX21-6646  | Macomb County Sheriff Department                                         | 50 - Macomb County    | 43628-21    |
| TX21-7061  | Roseville Police Department                                              | 50 - Macomb County    | 21-11666    |
| TX21-7221  | Macomb County Sheriff Department                                         | 50 - Macomb County    | 46994-21    |
| TX21-7222  | Macomb County Sheriff Department                                         | 50 - Macomb County    | 45437-21    |
| TX21-7223  | Macomb County Sheriff Department                                         | 50 - Macomb County    | 45444-21    |
| TX21-816   | Macomb County Sheriff Department                                         | 50 - Macomb County    | 1328-21     |
| TX21-8174  | St. Clair Shores Police Department                                       | 50 - Macomb County    | 21-9120     |
| TX21-8629  | Macomb County Sheriff Department                                         | 50 - Macomb County    | 52909-21    |
| TX21-8633  | Macomb County Sheriff Department                                         | 50 - Macomb County    | 52800-21    |
| TX21-9758  | New Baltimore Police Department                                          | 50 - Macomb County    | 21-2705     |
| TX22-1850  | Chesterfield Twp. Police Department                                      | 50 - Macomb County    | 2022-2002   |
| TX22-2413  | Sterling Heights Police Department                                       | 50 - Macomb County    | 22-12136    |
| TX22-2616  | Utica Police Department                                                  | 50 - Macomb County    | 22-2155     |
| TX22-3199  | Richland Police Department                                               | 50 - Macomb County    | 22-122      |
| TX22-3392  | Shelby Township Police Department                                        | 50 - Macomb County    | 22-7718     |
| TX22-6449  | Warren Police Department                                                 | 50 - Macomb County    | 22-22085    |
| TX22-7986  | Sterling Heights Police Department                                       | 50 - Macomb County    | 22-46946    |
| TX20-1708  | Manistee Police Department                                               | 51 - Manistee County  | 550-105-20  |
| TX20-8721  | Manistee County Sheriff Department                                       | 51 - Manistee County  | 151-1273-20 |
| TX21-11585 | Little River Band of the Ottawa Indians Department of Cultural Resources | 51 - Manistee County  | 21-454      |
| TX21-2746  | Manistee County Sheriff Department                                       | 51 - Manistee County  | 151-383-21  |
| TX19-11761 | Negaunee Post                                                            | 52 - Marquette County | 81-2157-19  |
| TX19-11892 | Ishpeming Police Department                                              | 52 - Marquette County | 1949500571  |
| TX19-13117 | Negaunee Post                                                            | 52 - Marquette County | 81-2407-19  |
| TX19-13998 | Negaunee Post                                                            | 52 - Marquette County | 81-2584-19  |
| TX19-14487 | Ishpeming Police Department                                              | 52 - Marquette County | 709-19      |
| TX19-4075  | Marquette County Sheriff Department                                      | 52 - Marquette County | 1915200135  |
| TX19-4578  | Negaunee Post                                                            | 52 - Marquette County | 81-626-19   |
| TX19-4787  | Marquette County Sheriff Department                                      | 52 - Marquette County | 1915200163  |
| TX19-4788  | Marquette County Sheriff Department                                      | 52 - Marquette County | 1915200162  |
| TX19-5623  | Marquette County Sheriff Department                                      | 52 - Marquette County | 1915200198  |
| TX19-8982  | Negaunee Post                                                            | 52 - Marquette County | 81-1567-19  |
| TX20-12081 | Marquette Police Department                                              | 52 - Marquette County | 2055900907  |
| TX20-1211  | Negaunee Post                                                            | 52 - Marquette County | 81-153-20   |
| TX20-12195 | Eighth District HQ                                                       | 52 - Marquette County | 80-133-20   |
| TX20-12670 | Negaunee Post                                                            | 52 - Marquette County | 81-2024-20  |
| TX20-12870 | Negaunee Post                                                            | 52 - Marquette County | 81-2073-20  |
| TX20-13464 | Negaunee Post                                                            | 52 - Marquette County | 81-2115-20  |
| TX20-13584 | Negaunee Post                                                            | 52 - Marquette County | 81-2144-20  |
| TX20-13810 | Negaunee Post                                                            | 52 - Marquette County | 81-2188-20  |
| TX20-14289 | Ishpeming Police Department                                              | 52 - Marquette County | 596-20      |
| TX20-15134 | Negaunee Post                                                            | 52 - Marquette County | 81-2349-20  |
| TX20-16263 | Chocoy Township Police Department                                        | 52 - Marquette County | 2031200291  |
| TX20-17706 | Negaunee Post                                                            | 52 - Marquette County | 81-2773-20  |
| TX20-3601  | Negaunee Post                                                            | 52 - Marquette County | 81-496-20   |
| TX20-4911  | Marquette Police Department                                              | 52 - Marquette County | 2055900326  |
| TX20-5161  | Negaunee Post                                                            | 52 - Marquette County | 81-836-20   |
| TX20-5423  | Marquette Police Department                                              | 52 - Marquette County | 2055900376  |

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| TX20-638   | Chocolay Township Police Department       | 52 - Marquette County | 2031200009  |
| TX20-7244  | Negaunee Post                             | 52 - Marquette County | 81-1184-20  |
| TX20-7478  | Negaunee Post                             | 52 - Marquette County | 81-1221-20  |
| TX21-10627 | Marquette Police Department               | 52 - Marquette County | Not Given   |
| TX21-11449 | Marquette County Sheriff Department       | 52 - Marquette County | 2115200302  |
| TX21-11672 | Marquette County Sheriff Department       | 52 - Marquette County | 2115200311  |
| TX21-12225 | Marquette County Sheriff Department       | 52 - Marquette County | 2115200330  |
| TX21-149   | Negaunee Post                             | 52 - Marquette County | 81-2986-20  |
| TX21-15053 | Marquette County Sheriff Department       | 52 - Marquette County | 2115200417  |
| TX21-15959 | Marquette County Sheriff Department       | 52 - Marquette County | 2115200466  |
| TX21-18918 | Ishpeming Police Department               | 52 - Marquette County | 2149500724  |
| TX21-19519 | Marquette Police Department               | 52 - Marquette County | 2155901599  |
| TX21-2569  | Negaunee Post                             | 52 - Marquette County | 81-316-21   |
| TX21-290   | Negaunee Post                             | 52 - Marquette County | 81-3001-20  |
| TX21-3401  | Ishpeming Police Department               | 52 - Marquette County | 2149500132  |
| TX21-3966  | Negaunee Post                             | 52 - Marquette County | 81-495-21   |
| TX21-5623  | Marquette Police Department               | 52 - Marquette County | 2155900435  |
| TX21-5665  | Marquette County Sheriff Department       | 52 - Marquette County | 2115200132  |
| TX21-5944  | Marquette County Sheriff Department       | 52 - Marquette County | 2115200136  |
| TX21-6071  | Marquette County Sheriff Department       | 52 - Marquette County | 2115200140  |
| TX21-6441  | Negaunee Post                             | 52 - Marquette County | 81-845-21   |
| TX21-6717  | Negaunee Post                             | 52 - Marquette County | 81-884-21   |
| TX21-7897  | Marquette County Sheriff Department       | 52 - Marquette County | 2115200193  |
| TX21-8294  | Negaunee Post                             | 52 - Marquette County | 81-1146-21  |
| TX21-9248  | Negaunee Post                             | 52 - Marquette County | 81-1258-21  |
| TX21-937   | Negaunee Post                             | 52 - Marquette County | 81-95-21    |
| TX22-1180  | Negaunee Post                             | 52 - Marquette County | 81-90-22    |
| TX22-5775  | Negaunee Post                             | 52 - Marquette County | 81-794-22   |
| TX22-6478  | Ishpeming Police Department               | 52 - Marquette County | 2249500251  |
| TX20-12152 | Mason County Sheriff Department           | 53 - Mason County     | 20-3424     |
| TX20-5150  | Ludington Police Department               | 53 - Mason County     | 20-1679     |
| TX20-5153  | Mason County Sheriff Department           | 53 - Mason County     | 20-1438     |
| TX21-13884 | Mason County Sheriff Department           | 53 - Mason County     | 21-4142     |
| TX21-5946  | Mason County Sheriff Department           | 53 - Mason County     | 21-1528     |
| TX19-10964 | Big Rapids Police Department              | 54 - Mecosta County   | 40-1901490  |
| TX19-14850 | Mecosta County Sheriff Department         | 54 - Mecosta County   | 1904066     |
| TX20-10884 | Big Rapids Police Department              | 54 - Mecosta County   | 40-2001034  |
| TX20-12211 | Mecosta County Sheriff Department         | 54 - Mecosta County   | 2002728     |
| TX20-12911 | Ferris State University Police Department | 54 - Mecosta County   | 20-0759     |
| TX21-17581 | Mecosta County Sheriff Department         | 54 - Mecosta County   | 2104057     |
| TX21-19292 | Mecosta County Sheriff Department         | 54 - Mecosta County   | 54-2104558  |
| TX21-7372  | Mecosta County Sheriff Department         | 54 - Mecosta County   | 2101460     |
| TX22-8142  | Big Rapids Police Department              | 54 - Mecosta County   | 40-2201122  |
| TX19-14176 | Menominee Police Department               | 55 - Menominee County | 575-2050-19 |
| TX19-4873  | Menominee Police Department               | 55 - Menominee County | 634-19      |
| TX19-6003  | Menominee County Sheriff Department       | 55 - Menominee County | Not Given   |
| TX19-9452  | Menominee Police Department               | 55 - Menominee County | 575-1257-19 |
| TX19-9830  | Menominee Police Department               | 55 - Menominee County | 575-1415-19 |
| TX20-2001  | Menominee Police Department               | 55 - Menominee County | 575-185-20  |

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| TX20-5422  | Menominee Police Department         | 55 - Menominee County | 575-611-20  |
| TX21-10798 | Menominee Police Department         | 55 - Menominee County | 967-21      |
| TX21-14279 | Menominee Police Department         | 55 - Menominee County | 575-1310-21 |
| TX21-14851 | Menominee County Sheriff Department | 55 - Menominee County | 155-655-21  |
| TX21-4583  | Menominee Police Department         | 55 - Menominee County | 400-21      |
| TX19-9926  | Midland County Sheriff Department   | 56 - Midland County   | 19-005461   |
| TX20-14092 | Midland Police Department           | 56 - Midland County   | 20-007816   |
| TX20-1949  | Midland Police Department           | 56 - Midland County   | 20-000898   |
| TX20-309   | Midland County Sheriff Department   | 56 - Midland County   | 19-009276   |
| TX20-4173  | Midland Police Department           | 56 - Midland County   | 20-002154   |
| TX20-8644  | Midland County Sheriff Department   | 56 - Midland County   | 20-003914   |
| TX21-10930 | Midland Police Department           | 56 - Midland County   | 21-005705   |
| TX21-16381 | Midland County Sheriff Department   | 56 - Midland County   | 21-006033   |
| TX21-19788 | Midland County Sheriff Department   | 56 - Midland County   | 21-007699   |
| TX22-354   | Midland County Sheriff Department   | 56 - Midland County   | 21-007976   |
| TX22-3635  | Midland Police Department           | 56 - Midland County   | 22-001731   |
| TX22-6533  | Midland County Sheriff Department   | 56 - Midland County   | 22-002698   |
| TX20-6555  | Missaukee County Sheriff Department | 57 - Missaukee County | 157-996-20  |
| TX20-6737  | Missaukee County Sheriff Department | 57 - Missaukee County | 1082-20     |
| TX19-13116 | Monroe Post                         | 58 - Monroe County    | 14-5756-19  |
| TX19-4347  | Monroe Post                         | 58 - Monroe County    | 14-1793-19  |
| TX19-4350  | Monroe Post                         | 58 - Monroe County    | 14-1617-19  |
| TX19-4785  | Monroe Post                         | 58 - Monroe County    | 14-1986-19  |
| TX19-6630  | Monroe Post                         | 58 - Monroe County    | 14-3011-19  |
| TX19-6631  | Monroe Post                         | 58 - Monroe County    | 14-2991-19  |
| TX19-7145  | Monroe Post                         | 58 - Monroe County    | 14-3225-19  |
| TX19-8108  | Monroe Post                         | 58 - Monroe County    | 14-3567-19  |
| TX20-10317 | Monroe Post                         | 58 - Monroe County    | 14-3684-20  |
| TX20-13087 | Monroe Post                         | 58 - Monroe County    | 14-4558-20  |
| TX20-1327  | Monroe Police Department            | 58 - Monroe County    | 788-20      |
| TX20-14916 | Monroe County Sheriff Department    | 58 - Monroe County    | 21249-20    |
| TX20-4496  | Monroe Police Department            | 58 - Monroe County    | 3917-20     |
| TX20-7152  | Monroe Post                         | 58 - Monroe County    | 14-2873-20  |
| TX20-8454  | Monroe Post                         | 58 - Monroe County    | 14-3316-20  |
| TX20-8464  | Monroe County Sheriff Department    | 58 - Monroe County    | 12890-20    |
| TX20-9431  | Monroe County Sheriff Department    | 58 - Monroe County    | 14163-20    |
| TX21-12097 | Monroe County Sheriff Department    | 58 - Monroe County    | 21202-21    |
| TX21-16361 | Monroe Post                         | 58 - Monroe County    | 14-5197-21  |
| TX21-18688 | Monroe County Sheriff Department    | 58 - Monroe County    | 21-34216    |
| TX21-19615 | Monroe Post                         | 58 - Monroe County    | 14-5909-21  |
| TX21-19616 | Monroe Post                         | 58 - Monroe County    | 14-6165-21  |
| TX21-2297  | Monroe County Sheriff Department    | 58 - Monroe County    | 3441-21     |
| TX21-3797  | Monroe County Sheriff Department    | 58 - Monroe County    | 5923-21     |
| TX21-5544  | Monroe Police Department            | 58 - Monroe County    | 3951-21     |
| TX21-5952  | Monroe County Sheriff Department    | 58 - Monroe County    | 9418-21     |
| TX21-6648  | Monroe County Sheriff Department    | 58 - Monroe County    | 11330-21    |
| TX21-9560  | Monroe Post                         | 58 - Monroe County    | 14-2881-21  |
| TX22-1309  | Monroe Police Department            | 58 - Monroe County    | MP22-00099  |
| TX22-6056  | Monroe Post                         | 58 - Monroe County    | 14-1990-22  |

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| TX19-15001 | Lakeview Post                          | 59 - Montcalm County    | 64-9468-19 |
| TX19-15470 | Carson City Police Department          | 59 - Montcalm County    | 19-151     |
| TX19-6714  | Carson City Police Department          | 59 - Montcalm County    | Not Given  |
| TX19-7272  | Carson City Police Department          | 59 - Montcalm County    | 19-87      |
| TX19-8681  | Carson City Police Department          | 59 - Montcalm County    | 19-96      |
| TX19-9684  | Greenville Department of Public Safety | 59 - Montcalm County    | 19-2941    |
| TX20-14294 | Lakeview Post                          | 59 - Montcalm County    | 64-7022-20 |
| TX20-14979 | Lakeview Post                          | 59 - Montcalm County    | 64-7371-20 |
| TX20-17137 | Lakeview Post                          | 59 - Montcalm County    | 64-8404-20 |
| TX20-18592 | Lakeview Post                          | 59 - Montcalm County    | 64-9434-20 |
| TX20-5710  | Montcalm County Sheriff Department     | 59 - Montcalm County    | 20-01173   |
| TX20-616   | Lakeview Post                          | 59 - Montcalm County    | 64-161-20  |
| TX20-7433  | Montcalm County Sheriff Department     | 59 - Montcalm County    | 2001519    |
| TX20-7526  | Lakeview Post                          | 59 - Montcalm County    | 64-3979-20 |
| TX20-8539  | Lakeview Post                          | 59 - Montcalm County    | 64-4471-20 |
| TX20-9014  | Greenville Department of Public Safety | 59 - Montcalm County    | 20-2580    |
| TX20-9886  | Lakeview Post                          | 59 - Montcalm County    | 64-5243-20 |
| TX20-9988  | Lakeview Post                          | 59 - Montcalm County    | 64-5243-20 |
| TX20-9989  | Lakeview Post                          | 59 - Montcalm County    | 64-5243-20 |
| TX21-1671  | Lakeview Post                          | 59 - Montcalm County    | 64-702-21  |
| TX21-17467 | Lakeview Post                          | 59 - Montcalm County    | 64-7401-21 |
| TX21-4033  | Lakeview Post                          | 59 - Montcalm County    | 64-1699-21 |
| TX21-4214  | Lakeview Post                          | 59 - Montcalm County    | 64-1772-21 |
| TX21-5668  | Montcalm County Sheriff Department     | 59 - Montcalm County    | 21-01187   |
| TX21-8681  | Greenville Department of Public Safety | 59 - Montcalm County    | 21-2007    |
| TX21-9464  | Lakeview Post                          | 59 - Montcalm County    | 64-4203-21 |
| TX22-1279  | Montcalm County Sheriff Department     | 59 - Montcalm County    | 22-00500   |
| TX22-5453  | Lakeview Post                          | 59 - Montcalm County    | 64-2090-22 |
| TX22-7618  | Lakeview Post                          | 59 - Montcalm County    | 64-3020-22 |
| TX19-8929  | Arenac County Sheriff Department       | 6 - Arenac County       | 19-7910    |
| TX20-17779 | Arenac County Sheriff Department       | 6 - Arenac County       | 20-10923   |
| TX20-5356  | Arenac County Sheriff Department       | 6 - Arenac County       | 20-3438    |
| TX21-1432  | Arenac County Sheriff Department       | 6 - Arenac County       | 21-891     |
| TX20-15142 | Montmorency County Sheriff Department  | 60 - Montmorency County | 3916-20    |
| TX21-12591 | Montmorency County Sheriff Department  | 60 - Montmorency County | 2796-21    |
| TX21-2759  | Montmorency County Sheriff Department  | 60 - Montmorency County | 550-21     |
| TX19-10122 | Muskegon County Sheriff Department     | 61 - Muskegon County    | 2019-04483 |
| TX19-10420 | Muskegon Police Department             | 61 - Muskegon County    | 2019-14764 |
| TX19-11497 | Muskegon Police Department             | 61 - Muskegon County    | 201916182  |
| TX19-11917 | Whitehall Police Department            | 61 - Muskegon County    | 2019-1378  |
| TX19-12151 | Muskegon County Sheriff Department     | 61 - Muskegon County    | 2019-05279 |
| TX19-12280 | Montague Police Department             | 61 - Muskegon County    | 19-703     |
| TX19-12541 | Whitehall Police Department            | 61 - Muskegon County    | 2019-1451  |
| TX19-12633 | Muskegon Police Department             | 61 - Muskegon County    | 19-17943   |
| TX19-4659  | Fruitport Township Police Department   | 61 - Muskegon County    | 201901368  |
| TX19-5761  | Muskegon Police Department             | 61 - Muskegon County    | 2019-07566 |
| TX19-5823  | Muskegon Township Police Department    | 61 - Muskegon County    | 2019-02563 |
| TX19-7615  | Muskegon Police Department             | 61 - Muskegon County    | 2019-10412 |
| TX19-8294  | Fruitport Township Police Department   | 61 - Muskegon County    | 2019-02568 |

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| TX19-8421  | Muskegon Township Police Department  | 61 - Muskegon County | 2019-03807 |
| TX19-8863  | Fruitport Township Police Department | 61 - Muskegon County | 201902703  |
| TX19-9080  | Muskegon Police Department           | 61 - Muskegon County | 19-12467   |
| TX19-9263  | Muskegon Police Department           | 61 - Muskegon County | 2019-12976 |
| TX19-9272  | Whitehall Police Department          | 61 - Muskegon County | 2019-01061 |
| TX20-10143 | Muskegon County Sheriff Department   | 61 - Muskegon County | 2020-04713 |
| TX20-10150 | Norton Shores Police Department      | 61 - Muskegon County | 2020-04343 |
| TX20-12594 | Muskegon Police Department           | 61 - Muskegon County | 2020-16121 |
| TX20-13920 | Muskegon County Sheriff Department   | 61 - Muskegon County | 2020-06665 |
| TX20-15039 | Muskegon Police Department           | 61 - Muskegon County | 2020-18796 |
| TX20-17350 | Muskegon County Sheriff Department   | 61 - Muskegon County | 2020-08293 |
| TX20-18105 | Muskegon Police Department           | 61 - Muskegon County | 2020-22862 |
| TX20-18107 | Muskegon Police Department           | 61 - Muskegon County | 2020-22853 |
| TX20-18388 | Muskegon Police Department           | 61 - Muskegon County | 2020-23373 |
| TX20-18437 | Muskegon Police Department           | 61 - Muskegon County | 2020-23443 |
| TX20-323   | Whitehall Police Department          | 61 - Muskegon County | 2020-0016  |
| TX20-4608  | Muskegon Police Department           | 61 - Muskegon County | 2020-05545 |
| TX20-4986  | Muskegon Police Department           | 61 - Muskegon County | 20-06285   |
| TX20-5987  | Whitehall Police Department          | 61 - Muskegon County | 2020-00559 |
| TX20-6041  | Muskegon County Sheriff Department   | 61 - Muskegon County | 2020-02902 |
| TX20-684   | Muskegon County Sheriff Department   | 61 - Muskegon County | 2020-00205 |
| TX20-8207  | Muskegon Police Department           | 61 - Muskegon County | 2020-10894 |
| TX21-10801 | Montague Police Department           | 61 - Muskegon County | 2021-00612 |
| TX21-12375 | Muskegon Police Department           | 61 - Muskegon County | 2021-15639 |
| TX21-17802 | Muskegon Police Department           | 61 - Muskegon County | 2021-22308 |
| TX21-18863 | Muskegon County Sheriff Department   | 61 - Muskegon County | 2021-08870 |
| TX21-2697  | Muskegon Police Department           | 61 - Muskegon County | 2021-03169 |
| TX21-411   | Muskegon Police Department           | 61 - Muskegon County | 2020-24047 |
| TX21-4460  | Muskegon County Sheriff Department   | 61 - Muskegon County | 2021-01880 |
| TX21-5188  | Muskegon County Sheriff Department   | 61 - Muskegon County | 2021-02182 |
| TX21-5625  | Muskegon County Sheriff Department   | 61 - Muskegon County | 2021-02259 |
| TX21-589   | Muskegon Police Department           | 61 - Muskegon County | 2021-00315 |
| TX21-6089  | Whitehall Police Department          | 61 - Muskegon County | 2021-00470 |
| TX21-6697  | Whitehall Police Department          | 61 - Muskegon County | 2021-00520 |
| TX21-6848  | Norton Shores Police Department      | 61 - Muskegon County | 2021-02389 |
| TX21-7088  | Muskegon Police Department           | 61 - Muskegon County | 2021-08754 |
| TX21-9412  | Muskegon Police Department           | 61 - Muskegon County | 2021-11773 |
| TX22-1501  | Muskegon Police Department           | 61 - Muskegon County | 2022-01831 |
| TX22-2348  | Muskegon County Sheriff Department   | 61 - Muskegon County | 2022-00875 |
| TX22-3465  | Muskegon County Sheriff Department   | 61 - Muskegon County | 2022-01402 |
| TX22-3736  | Muskegon County Sheriff Department   | 61 - Muskegon County | 2022-01585 |
| TX22-4517  | Muskegon Police Department           | 61 - Muskegon County | 2022-05577 |
| TX22-6494  | Muskegon Police Department           | 61 - Muskegon County | 2022-08107 |
| TX19-11179 | Fremont Police Department            | 62 - Newaygo County  | 19-1893    |
| TX19-14133 | Newaygo County Sheriff Department    | 62 - Newaygo County  | 6538-19    |
| TX19-14263 | Fremont Police Department            | 62 - Newaygo County  | 2378-19    |
| TX19-14327 | Grant Police Department              | 62 - Newaygo County  | 19-506     |
| TX19-14978 | Fremont Police Department            | 62 - Newaygo County  | 19-2469    |
| TX19-14979 | Fremont Police Department            | 62 - Newaygo County  | 19-2590    |



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| TX19-4008  | Newaygo County Sheriff Department                    | 62 - Newaygo County | 19-1759     |
| TX19-4084  | Newaygo County Sheriff Department                    | 62 - Newaygo County | 1791-19     |
| TX19-7037  | Newaygo County Sheriff Department                    | 62 - Newaygo County | 3108-19     |
| TX19-8323  | Newaygo County Sheriff Department                    | 62 - Newaygo County | 3695-19     |
| TX19-9371  | Manistee Police Department                           | 62 - Newaygo County | 550-721-19  |
| TX19-9375  | Mecosta County Sheriff Department                    | 62 - Newaygo County | 1902410     |
| TX20-11917 | Newaygo County Sheriff Department                    | 62 - Newaygo County | 4287-20     |
| TX20-1510  | Fremont Police Department                            | 62 - Newaygo County | 20-0175     |
| TX20-17629 | Newaygo County Sheriff Department                    | 62 - Newaygo County | 6291-20     |
| TX20-18013 | Fremont Police Department                            | 62 - Newaygo County | 20-2337     |
| TX20-1936  | Grant Police Department                              | 62 - Newaygo County | 20-060      |
| TX20-3144  | Newaygo County Sheriff Department                    | 62 - Newaygo County | 162-1077-20 |
| TX20-3688  | Newaygo County Sheriff Department                    | 62 - Newaygo County | 1369-20     |
| TX20-4008  | Allegan County Sheriff Department                    | 62 - Newaygo County | 4384-20     |
| TX20-541   | Fremont Police Department                            | 62 - Newaygo County | 2856-19     |
| TX20-7684  | Newaygo County Sheriff Department                    | 62 - Newaygo County | 62-2912-20  |
| TX20-7924  | Newaygo County Sheriff Department                    | 62 - Newaygo County | 20-2983     |
| TX20-8215  | Newaygo County Sheriff Department                    | 62 - Newaygo County | 3080-20     |
| TX21-10303 | Newaygo County Sheriff Department                    | 62 - Newaygo County | 21-2904     |
| TX21-12030 | Newaygo County Sheriff Department                    | 62 - Newaygo County | 21-3206     |
| TX21-1456  | Newaygo County Sheriff Department                    | 62 - Newaygo County | 62-415-21   |
| TX21-14607 | Newaygo County Sheriff Department                    | 62 - Newaygo County | 21-3701     |
| TX21-1768  | Fremont Police Department                            | 62 - Newaygo County | 842-0165-21 |
| TX21-3914  | Newaygo County Sheriff Department                    | 62 - Newaygo County | 21-1272     |
| TX21-4300  | Newaygo County Sheriff Department                    | 62 - Newaygo County | 1395-21     |
| TX21-6905  | Newaygo County Sheriff Department                    | 62 - Newaygo County | 2246-21     |
| TX22-5006  | Newaygo County Sheriff Department                    | 62 - Newaygo County | 22-1112     |
| TX19-10086 | Troy Police Department                               | 63 - Oakland County | 19-26847    |
| TX19-10091 | Metro North Post                                     | 63 - Oakland County | 21-9123-19  |
| TX19-10827 | Southfield Police Department                         | 63 - Oakland County | 19-32803    |
| TX19-11056 | Troy Police Department                               | 63 - Oakland County | 19-29260    |
| TX19-11061 | Troy Police Department                               | 63 - Oakland County | 19-29368    |
| TX19-11350 | Huntington Woods D.P.S.                              | 63 - Oakland County | 19-1194     |
| TX19-11388 | Metro North Post                                     | 63 - Oakland County | 21-10408-19 |
| TX19-11664 | Auburn Hills Police Department                       | 63 - Oakland County | 19-17698    |
| TX19-11788 | Farmington Hills Police Department                   | 63 - Oakland County | 19-25703    |
| TX19-11801 | Novi Police Department                               | 63 - Oakland County | 19-49862    |
| TX19-12028 | Oakland County Sheriff Department - 1200 N Telegraph | 63 - Oakland County | 19-0180983  |
| TX19-12414 | Bloomfield Hills Public Safety Department            | 63 - Oakland County | 19-4852     |
| TX19-12476 | Auburn Hills Police Department                       | 63 - Oakland County | 19-19230    |
| TX19-12736 | Beverly Hills Department of Public Safety            | 63 - Oakland County | 19-4262     |
| TX19-13543 | Novi Police Department                               | 63 - Oakland County | 19-57357    |
| TX19-13867 | Auburn Hills Police Department                       | 63 - Oakland County | 19-21467    |
| TX19-14152 | Auburn Hills Police Department                       | 63 - Oakland County | 19-21555    |
| TX19-14302 | Metro North Post                                     | 63 - Oakland County | 21-12961-19 |
| TX19-14395 | Farmington Hills Police Department                   | 63 - Oakland County | 19-31833    |
| TX19-14435 | Oakland County Sheriff Department - Oxford Twp.      | 63 - Oakland County | 19-220004   |
| TX19-14907 | Oakland County Sheriff-Rochester Hills Substation    | 63 - Oakland County | 19-230539   |
| TX19-15019 | Novi Police Department                               | 63 - Oakland County | 19-64575    |

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| TX19-15186 | Metro North Post                                  | 63 - Oakland County | 21-13898-19 |
| TX19-15194 | Troy Police Department                            | 63 - Oakland County | 19-41205    |
| TX19-15602 | Clawson Police Department                         | 63 - Oakland County | 19-5093     |
| TX19-15997 | Bloomfield Township Police Department             | 63 - Oakland County | 19-32144    |
| TX19-16120 | Clawson Police Department                         | 63 - Oakland County | 19-5304     |
| TX19-16164 | Bloomfield Township Police Department             | 63 - Oakland County | 19-32721    |
| TX19-16332 | Southfield Police Department                      | 63 - Oakland County | 19-51317    |
| TX19-3951  | Southfield Police Department                      | 63 - Oakland County | 19-11047    |
| TX19-3956  | Beverly Hills Department of Public Safety         | 63 - Oakland County | 19-1129     |
| TX19-3986  | Berkley Department of Public Safety               | 63 - Oakland County | 19-3779     |
| TX19-4183  | Farmington Department of Public Safety            | 63 - Oakland County | 19-3220     |
| TX19-4218  | South Lyon Police Department                      | 63 - Oakland County | 19-3777     |
| TX19-4220  | Bloomfield Township Police Department             | 63 - Oakland County | 19-7509     |
| TX19-4463  | South Lyon Police Department                      | 63 - Oakland County | 19-3822     |
| TX19-4470  | Metro North Post                                  | 63 - Oakland County | 21-4240-19  |
| TX19-4514  | Beverly Hills Department of Public Safety         | 63 - Oakland County | 19-1349     |
| TX19-4649  | Auburn Hills Police Department                    | 63 - Oakland County | 19-6775     |
| TX19-4700  | Royal Oak Police Department                       | 63 - Oakland County | 19-13619    |
| TX19-4739  | Metro North Post                                  | 63 - Oakland County | 21-4505-19  |
| TX19-5478  | Farmington Hills Police Department                | 63 - Oakland County | 19-11638    |
| TX19-5602  | Metro North Post                                  | 63 - Oakland County | 21-5168-19  |
| TX19-5693  | Madison Heights Police Department                 | 63 - Oakland County | 19-9402     |
| TX19-6162  | Southfield Police Department                      | 63 - Oakland County | 19-17555    |
| TX19-6205  | Bloomfield Township Police Department             | 63 - Oakland County | 19-12528    |
| TX19-6490  | Novi Police Department                            | 63 - Oakland County | 19-27394    |
| TX19-6982  | Metro North Post                                  | 63 - Oakland County | 21-6458-19  |
| TX19-7164  | Metro North Post                                  | 63 - Oakland County | 21-6695-19  |
| TX19-7174  | Beverly Hills Department of Public Safety         | 63 - Oakland County | 19-2278     |
| TX19-7374  | Oakland County Sheriff-Rochester Hills Substation | 63 - Oakland County | 19-109740   |
| TX19-7620  | Novi Police Department                            | 63 - Oakland County | 19-31586    |
| TX19-7988  | Madison Heights Police Department                 | 63 - Oakland County | 19-13430    |
| TX19-8018  | Bloomfield Hills Public Safety Department         | 63 - Oakland County | 19-3124     |
| TX19-8194  | Lake Orion Police Department                      | 63 - Oakland County | 19-2432     |
| TX19-8600  | Novi Police Department                            | 63 - Oakland County | 19-35803    |
| TX19-8887  | Novi Police Department                            | 63 - Oakland County | 19-37352    |
| TX19-9146  | Oakland County Sheriff Department - Oxford Twp.   | 63 - Oakland County | 19-136808   |
| TX19-9515  | Farmington Department of Public Safety            | 63 - Oakland County | 19-7524     |
| TX19-9548  | Oakland County Sheriff Department - Highland Twp. | 63 - Oakland County | 19-142685   |
| TX19-9554  | Oakland County Sheriff Department - Highland Twp. | 63 - Oakland County | 19-139268   |
| TX19-9673  | Bloomfield Hills Public Safety Department         | 63 - Oakland County | 19-3829     |
| TX19-9783  | Oak Park Public Safety Department                 | 63 - Oakland County | 19-7898     |
| TX19-9789  | Farmington Hills Police Department                | 63 - Oakland County | 19-21336    |
| TX19-9814  | Troy Police Department                            | 63 - Oakland County | 19-26015    |
| TX19-9827  | Lathrup Village Police Department                 | 63 - Oakland County | 19-6553     |
| TX19-9932  | Novi Police Department                            | 63 - Oakland County | 19-42445    |
| TX19-9947  | Oak Park Public Safety Department                 | 63 - Oakland County | 19-8016     |
| TX20-10013 | Waterford Township Police Department              | 63 - Oakland County | 20-18632    |
| TX20-10257 | Waterford Township Police Department              | 63 - Oakland County | 20-18666    |
| TX20-10321 | Berkley Department of Public Safety               | 63 - Oakland County | 20-6019     |

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| TX20-10868 | Metro North Post                                   | 63 - Oakland County | 21-6580-20  |
| TX20-10945 | White Lake Township Police Department              | 63 - Oakland County | 20-13400    |
| TX20-11053 | Oakland County Sheriff Department - Oxford Twp.    | 63 - Oakland County | 200159164   |
| TX20-11230 | Auburn Hills Police Department                     | 63 - Oakland County | 20-11582    |
| TX20-11351 | Clawson Police Department                          | 63 - Oakland County | 20-3723     |
| TX20-11645 | Oakland County Sheriff-Rochester Hills Substation  | 63 - Oakland County | 20-165368   |
| TX20-11648 | Oakland County Sheriff Department - 1200 N Telegra | 63 - Oakland County | 20-163342   |
| TX20-12066 | Hazel Park Police Department                       | 63 - Oakland County | 20-12043    |
| TX20-12122 | Auburn Hills Police Department                     | 63 - Oakland County | 20-12509    |
| TX20-12242 | Franklin Police Department                         | 63 - Oakland County | 20-3169     |
| TX20-12693 | Metro North Post                                   | 63 - Oakland County | 21-7450-20  |
| TX20-13192 | Metro North Post                                   | 63 - Oakland County | 21-7691-20  |
| TX20-13284 | Oakland County Sheriff Department - Orion Twp.     | 63 - Oakland County | 20-184049   |
| TX20-13408 | Metro North Post                                   | 63 - Oakland County | 21-7493-20  |
| TX20-13825 | Metro North Post                                   | 63 - Oakland County | 21-8037-20  |
| TX20-14091 | Milford Police Department                          | 63 - Oakland County | 20-7251     |
| TX20-14138 | Farmington Hills Police Department                 | 63 - Oakland County | 20-21316    |
| TX20-14267 | Metro North Post                                   | 63 - Oakland County | 21-8252-20  |
| TX20-14269 | Metro North Post                                   | 63 - Oakland County | 21-8081-20  |
| TX20-14352 | Oakland County Sheriff-Rochester Hills Substation  | 63 - Oakland County | 20-192216   |
| TX20-14379 | Farmington Hills Police Department                 | 63 - Oakland County | 20-22003    |
| TX20-14897 | Beverly Hills Department of Public Safety          | 63 - Oakland County | 20-4194     |
| TX20-16127 | Auburn Hills Police Department                     | 63 - Oakland County | 20-17217    |
| TX20-16554 | Bloomfield Township Police Department              | 63 - Oakland County | 20-20418    |
| TX20-16643 | Metro North Post                                   | 63 - Oakland County | 21-9217-20  |
| TX20-16756 | Auburn Hills Police Department                     | 63 - Oakland County | 20-18016    |
| TX20-16780 | Metro North Post                                   | 63 - Oakland County | 21-9901-20  |
| TX20-16988 | Metro North Post                                   | 63 - Oakland County | 21-10005-20 |
| TX20-17109 | Metro North Post                                   | 63 - Oakland County | 21-10038-20 |
| TX20-17110 | Metro North Post                                   | 63 - Oakland County | 21-10037-20 |
| TX20-17250 | Novi Police Department                             | 63 - Oakland County | 20-56062    |
| TX20-1748  | Oakland County Sheriff-Rochester Hills Substation  | 63 - Oakland County | 20-20015    |
| TX20-17603 | White Lake Township Police Department              | 63 - Oakland County | 20-19983    |
| TX20-17727 | Metro North Post                                   | 63 - Oakland County | 21-10501-20 |
| TX20-17791 | Bloomfield Township Police Department              | 63 - Oakland County | 20-21796    |
| TX20-17903 | Waterford Township Police Department               | 63 - Oakland County | 20-32148    |
| TX20-1825  | Novi Police Department                             | 63 - Oakland County | 20-3699     |
| TX20-1826  | Novi Police Department                             | 63 - Oakland County | 20-3702     |
| TX20-18453 | Metro North Post                                   | 63 - Oakland County | 21-11055-20 |
| TX20-2106  | Auburn Hills Police Department                     | 63 - Oakland County | 20-2388     |
| TX20-2211  | Troy Police Department                             | 63 - Oakland County | 20-3678     |
| TX20-2752  | Waterford Township Police Department               | 63 - Oakland County | 20-3838     |
| TX20-2798  | Clawson Police Department                          | 63 - Oakland County | 20-744      |
| TX20-2917  | Metro North Post                                   | 63 - Oakland County | 21-1894-20  |
| TX20-3182  | Metro North Post                                   | 63 - Oakland County | 21-2096-20  |
| TX20-3434  | Bloomfield Township Police Department              | 63 - Oakland County | 20-5552     |
| TX20-3465  | Oakland County Sheriff Department - Commerce Tw    | 63 - Oakland County | 20-43803    |
| TX20-3466  | Oakland County Sheriff Department - 1200 N Telegra | 63 - Oakland County | 20-42067    |
| TX20-3542  | Beverly Hills Department of Public Safety          | 63 - Oakland County | 20-838      |

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| TX20-3699  | Auburn Hills Police Department                     | 63 - Oakland County | 20-4427    |
| TX20-387   | Novi Police Department                             | 63 - Oakland County | 19-69422   |
| TX20-3931  | Clawson Police Department                          | 63 - Oakland County | 20-1050    |
| TX20-442   | Bloomfield Township Police Department              | 63 - Oakland County | 20-51      |
| TX20-453   | Clawson Police Department                          | 63 - Oakland County | 20-50      |
| TX20-454   | Clawson Police Department                          | 63 - Oakland County | 20-55      |
| TX20-4594  | Wixom Police Department                            | 63 - Oakland County | 20-3957    |
| TX20-4702  | Troy Police Department                             | 63 - Oakland County | 20-9226    |
| TX20-4774  | Oakland County Sheriff Department- Pontiac         | 63 - Oakland County | 200068170  |
| TX20-4775  | Oakland County Sheriff Department - Commerce Tw    | 63 - Oakland County | 200062931  |
| TX20-4787  | Rochester Police Department                        | 63 - Oakland County | 20-2597    |
| TX20-5039  | Southfield Police Department                       | 63 - Oakland County | 20-9762    |
| TX20-5426  | Madison Heights Police Department                  | 63 - Oakland County | 20-6889    |
| TX20-5608  | Oakland County Sheriff Department - Commerce Tw    | 63 - Oakland County | 200091091  |
| TX20-5810  | Ferndale Police Department                         | 63 - Oakland County | 20-6392    |
| TX20-5943  | Metro North Post                                   | 63 - Oakland County | 21-3639-20 |
| TX20-5961  | Novi Police Department                             | 63 - Oakland County | 20-22301   |
| TX20-611   | Novi Police Department                             | 63 - Oakland County | 20-349     |
| TX20-612   | Novi Police Department                             | 63 - Oakland County | 20-388     |
| TX20-6261  | Metro North Post                                   | 63 - Oakland County | 21-3919-20 |
| TX20-6871  | Auburn Hills Police Department                     | 63 - Oakland County | 20-7869    |
| TX20-704   | Metro North Post                                   | 63 - Oakland County | 21-456-20  |
| TX20-7167  | Oakland County Sheriff-Rochester Hills Substation  | 63 - Oakland County | 20-114636  |
| TX20-7361  | White Lake Township Police Department              | 63 - Oakland County | 20-9698    |
| TX20-7438  | Oxford Police Department                           | 63 - Oakland County | 20-2333    |
| TX20-7657  | Beverly Hills Department of Public Safety          | 63 - Oakland County | 20-2356    |
| TX20-7995  | Troy Police Department                             | 63 - Oakland County | 20-15952   |
| TX20-8180  | Troy Police Department                             | 63 - Oakland County | 20-16085   |
| TX20-8933  | Oakland County Sheriff Department - 1200 N Telegra | 63 - Oakland County | 20-134136  |
| TX20-8937  | Oakland County Sheriff-Rochester Hills Substation  | 63 - Oakland County | 20-133561  |
| TX20-9132  | West Bloomfield Township Police Department         | 63 - Oakland County | 20-10258   |
| TX20-9302  | Metro North Post                                   | 63 - Oakland County | 21-5685-20 |
| TX20-9352  | Novi Police Department                             | 63 - Oakland County | 20-32792   |
| TX20-9358  | Oakland University Police Department               | 63 - Oakland County | 20-9184    |
| TX20-9386  | Beverly Hills Department of Public Safety          | 63 - Oakland County | 20-2841    |
| TX20-9458  | West Bloomfield Township Police Department         | 63 - Oakland County | 20-9783    |
| TX20-9691  | Royal Oak Police Department                        | 63 - Oakland County | 20-24551   |
| TX20-9747  | Southfield Police Department                       | 63 - Oakland County | 20-22771   |
| TX20-9846  | Bloomfield Hills Public Safety Department          | 63 - Oakland County | 20-2885    |
| TX20-9964  | Auburn Hills Police Department                     | 63 - Oakland County | 20-10759   |
| TX21-1034  | Troy Police Department                             | 63 - Oakland County | 21-165     |
| TX21-10543 | Auburn Hills Police Department                     | 63 - Oakland County | 21-10463   |
| TX21-10688 | Metro North Post                                   | 63 - Oakland County | 21-6136-21 |
| TX21-10970 | Oakland County Sheriff Department- Pontiac         | 63 - Oakland County | 21-140122  |
| TX21-11013 | Farmington Department of Public Safety             | 63 - Oakland County | 21-4282    |
| TX21-11145 | Beverly Hills Department of Public Safety          | 63 - Oakland County | 210003350  |
| TX21-11194 | Novi Police Department                             | 63 - Oakland County | 21-39082   |
| TX21-12200 | West Bloomfield Township Police Department         | 63 - Oakland County | 21-14709   |
| TX21-1236  | Oakland County Sheriff Department - 1200 N Telegra | 63 - Oakland County | 20-10252   |

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| TX21-12472 | Oakland County Sheriff Department - Lyon Twp.      | 63 - Oakland County | 21-161685   |
| TX21-12933 | Wixom Police Department                            | 63 - Oakland County | 21-7226     |
| TX21-1304  | Metro North Post                                   | 63 - Oakland County | 21-652-21   |
| TX21-13715 | Bloomfield Township Police Department              | 63 - Oakland County | 21-17725    |
| TX21-13969 | White Lake Township Police Department              | 63 - Oakland County | 21-15998    |
| TX21-14050 | Oakland County Sheriff Department - 1200 N Telegra | 63 - Oakland County | 210180093   |
| TX21-14074 | Metro North Post                                   | 63 - Oakland County | 21-8090-21  |
| TX21-14524 | Berkley Department of Public Safety                | 63 - Oakland County | 21-8336     |
| TX21-14525 | Berkley Department of Public Safety                | 63 - Oakland County | 21-8325     |
| TX21-1472  | Auburn Hills Police Department                     | 63 - Oakland County | 21-347      |
| TX21-14764 | Royal Oak Police Department                        | 63 - Oakland County | 21-29322    |
| TX21-14956 | Metro North Post                                   | 63 - Oakland County | 21-8609-21  |
| TX21-153   | Novi Police Department                             | 63 - Oakland County | 20-59687    |
| TX21-15350 | West Bloomfield Township Police Department         | 63 - Oakland County | 210018417   |
| TX21-15851 | Farmington Department of Public Safety             | 63 - Oakland County | 21-6760     |
| TX21-16034 | Troy Police Department                             | 63 - Oakland County | 21-27123    |
| TX21-16086 | Oakland County Sheriff Department - Highland Twp.  | 63 - Oakland County | 2120340015  |
| TX21-16101 | Ferndale Police Department                         | 63 - Oakland County | 21-14962    |
| TX21-16207 | Clawson Police Department                          | 63 - Oakland County | 21-4716     |
| TX21-16343 | Metro North Post                                   | 63 - Oakland County | 21-9452-21  |
| TX21-16513 | Bloomfield Township Police Department              | 63 - Oakland County | 21-21671    |
| TX21-17108 | Holly Police Department                            | 63 - Oakland County | 21-6163     |
| TX21-1797  | White Lake Township Police Department              | 63 - Oakland County | 21-1877     |
| TX21-18163 | Metro North Post                                   | 63 - Oakland County | 21-10820-21 |
| TX21-18295 | White Lake Township Police Department              | 63 - Oakland County | 21-20706    |
| TX21-18382 | Holly Police Department                            | 63 - Oakland County | 21-6725     |
| TX21-18486 | Metro North Post                                   | 63 - Oakland County | 21-10688-21 |
| TX21-18488 | Metro North Post                                   | 63 - Oakland County | 21-11057-21 |
| TX21-18822 | Rochester Police Department                        | 63 - Oakland County | 21-12322    |
| TX21-18974 | Bloomfield Township Police Department              | 63 - Oakland County | 21-24580    |
| TX21-19030 | Royal Oak Police Department                        | 63 - Oakland County | 21-37825    |
| TX21-1938  | Auburn Hills Police Department                     | 63 - Oakland County | 21-1668     |
| TX21-19393 | Oakland County Sheriff-Rochester Hills Substation  | 63 - Oakland County | 21-251763   |
| TX21-19537 | Oakland County Sheriff Department - 1200 N Telegra | 63 - Oakland County | 21-246596   |
| TX21-19757 | Farmington Department of Public Safety             | 63 - Oakland County | 21-9024     |
| TX21-19906 | Metro North Post                                   | 63 - Oakland County | 21-12137-21 |
| TX21-19911 | Metro North Post                                   | 63 - Oakland County | 21-12041-21 |
| TX21-2438  | Metro North Post                                   | 63 - Oakland County | 21-1316-21  |
| TX21-2644  | Metro North Post                                   | 63 - Oakland County | 21-1638-21  |
| TX21-2699  | Oakland County Sheriff Department - 1200 N Telegra | 63 - Oakland County | 21-32207    |
| TX21-2989  | Ferndale Police Department                         | 63 - Oakland County | 21-0002234  |
| TX21-335   | Metro North Post                                   | 63 - Oakland County | 21-45-21    |
| TX21-3427  | Royal Oak Police Department                        | 63 - Oakland County | 21-6282     |
| TX21-3487  | Metro North Post                                   | 63 - Oakland County | 21-2030-21  |
| TX21-3670  | Farmington Hills Police Department                 | 63 - Oakland County | 21-6128     |
| TX21-3762  | Bloomfield Township Police Department              | 63 - Oakland County | 21-4217     |
| TX21-3806  | Oakland County Sheriff Department- Pontiac         | 63 - Oakland County | 21-48802    |
| TX21-3809  | Oakland County Sheriff-Rochester Hills Substation  | 63 - Oakland County | 21-47166    |
| TX21-3984  | Troy Police Department                             | 63 - Oakland County | 21-6899     |

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| TX21-4771 | Metro North Post                                     | 63 - Oakland County | 21-2705-21  |
| TX21-4939 | Farmington Hills Police Department                   | 63 - Oakland County | 21-8119     |
| TX21-5046 | Metro North Post                                     | 63 - Oakland County | 21-2818-21  |
| TX21-5139 | Troy Police Department                               | 63 - Oakland County | 21-8834     |
| TX21-5261 | Waterford Township Police Department                 | 63 - Oakland County | 21-9245     |
| TX21-5489 | Metro North Post                                     | 63 - Oakland County | 21-3097-21  |
| TX21-5572 | Auburn Hills Police Department                       | 63 - Oakland County | 21-4830     |
| TX21-5886 | Metro North Post                                     | 63 - Oakland County | 21-3285-21  |
| TX21-5962 | Oakland County Sheriff-Rochester Hills Substation    | 63 - Oakland County | 21-67924    |
| TX21-6105 | Metro North Post                                     | 63 - Oakland County | 21-3328-21  |
| TX21-6153 | Oakland County Sheriff-Rochester Hills Substation    | 63 - Oakland County | 21-78270    |
| TX21-6180 | Ferndale Police Department                           | 63 - Oakland County | 21-5189     |
| TX21-632  | Metro North Post                                     | 63 - Oakland County | 21-153-21   |
| TX21-633  | Metro North Post                                     | 63 - Oakland County | 21-239-21   |
| TX21-636  | Metro North Post                                     | 63 - Oakland County | 21-11086-20 |
| TX21-6562 | Madison Heights Police Department                    | 63 - Oakland County | 21-6749     |
| TX21-6662 | Oakland County Sheriff Department - 1200 N Telegraph | 63 - Oakland County | 210081945   |
| TX21-6862 | Metro North Post                                     | 63 - Oakland County | 21-3792-21  |
| TX21-6982 | Waterford Township Police Department                 | 63 - Oakland County | 21-12261    |
| TX21-7105 | Metro North Post                                     | 63 - Oakland County | 21-3946-21  |
| TX21-7108 | Auburn Hills Police Department                       | 63 - Oakland County | 21-6644     |
| TX21-7235 | Oakland University Police Department                 | 63 - Oakland County | 21-5518     |
| TX21-743  | Waterford Township Police Department                 | 63 - Oakland County | 20-34901    |
| TX21-7587 | Holly Police Department                              | 63 - Oakland County | 21-2617     |
| TX21-7611 | White Lake Township Police Department                | 63 - Oakland County | 21-8982     |
| TX21-7750 | Metro North Post                                     | 63 - Oakland County | 21-4236-21  |
| TX21-7933 | Bloomfield Township Police Department                | 63 - Oakland County | 21-10257    |
| TX21-8098 | Troy Police Department                               | 63 - Oakland County | 21-13650    |
| TX21-8505 | Metro North Post                                     | 63 - Oakland County | 21-4221-21  |
| TX21-8745 | Bloomfield Township Police Department                | 63 - Oakland County | 21-11433    |
| TX21-883  | Troy Police Department                               | 63 - Oakland County | 20-34220    |
| TX21-8883 | Troy Police Department                               | 63 - Oakland County | 21-14793    |
| TX21-9022 | Metro North Post                                     | 63 - Oakland County | 21-5064-21  |
| TX21-9023 | Metro North Post                                     | 63 - Oakland County | 21-5083-21  |
| TX21-9258 | Waterford Township Police Department                 | 63 - Oakland County | 21-16662    |
| TX21-9286 | Wolverine Lake Police Department                     | 63 - Oakland County | 21-967      |
| TX21-9360 | Oakland County Sheriff Department- Pontiac           | 63 - Oakland County | 210118580   |
| TX21-9541 | Novi Police Department                               | 63 - Oakland County | 21-34122    |
| TX21-9761 | Oakland County Sheriff-Rochester Hills Substation    | 63 - Oakland County | 21-126592   |
| TX21-9957 | Metro North Post                                     | 63 - Oakland County | 21-5641-21  |
| TX21-9993 | Novi Police Department                               | 63 - Oakland County | 21-35185    |
| TX22-1203 | Metro North Post                                     | 63 - Oakland County | 21-716-22   |
| TX22-1380 | Beverly Hills Department of Public Safety            | 63 - Oakland County | 22-293      |
| TX22-1638 | Farmington Hills Police Department                   | 63 - Oakland County | 22-3631     |
| TX22-171  | Wixom Police Department                              | 63 - Oakland County | 21-12329    |
| TX22-195  | Royal Oak Police Department                          | 63 - Oakland County | 21-41051    |
| TX22-2309 | Bloomfield Township Police Department                | 63 - Oakland County | 22-2411     |
| TX22-3053 | Metro North Post                                     | 63 - Oakland County | 21-2111-22  |
| TX22-3443 | Bloomfield Township Police Department                | 63 - Oakland County | 22-4352     |

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| TX22-3444  | Bloomfield Township Police Department                | 63 - Oakland County   | 22-4350        |
| TX22-3795  | Metro North Post                                     | 63 - Oakland County   | 21-2545-22     |
| TX22-3831  | Bloomfield Township Police Department                | 63 - Oakland County   | 22-5121        |
| TX22-3832  | Bloomfield Township Police Department                | 63 - Oakland County   | 22-5137        |
| TX22-4292  | Bloomfield Hills Public Safety Department            | 63 - Oakland County   | 22-1430        |
| TX22-4401  | Metro North Post                                     | 63 - Oakland County   | 021-0002851-22 |
| TX22-54    | Farmington Department of Public Safety               | 63 - Oakland County   | 21-9224        |
| TX22-5485  | Bloomfield Township Police Department                | 63 - Oakland County   | 22-7218        |
| TX22-5798  | Birmingham Police Department                         | 63 - Oakland County   | 22-6514        |
| TX22-5964  | Bloomfield Township Police Department                | 63 - Oakland County   | 22-8094        |
| TX22-5970  | Beverly Hills Department of Public Safety            | 63 - Oakland County   | 22-1718        |
| TX22-6255  | West Bloomfield Township Police Department           | 63 - Oakland County   | 22-7901        |
| TX22-6450  | White Lake Township Police Department                | 63 - Oakland County   | 22-8111        |
| TX22-6665  | Royal Oak Police Department                          | 63 - Oakland County   | 22-13816       |
| TX22-7163  | Oakland County Sheriff Department - Independence     | 63 - Oakland County   | 220103150      |
| TX22-7176  | Metro North Post                                     | 63 - Oakland County   | 21-4757-22     |
| TX22-7178  | Metro North Post                                     | 63 - Oakland County   | 21-4727-22     |
| TX22-721   | Berkley Department of Public Safety                  | 63 - Oakland County   | 22-240         |
| TX22-7335  | Novi Police Department                               | 63 - Oakland County   | 22-20676       |
| TX22-7741  | Wixom Police Department                              | 63 - Oakland County   | 22-6155        |
| TX22-7962  | Holly Police Department                              | 63 - Oakland County   | 22-2087        |
| TX22-881   | Oakland County Sheriff Department - 1200 N Telegraph | 63 - Oakland County   | 22-8092        |
| TX19-12352 | Hart Police Department                               | 64 - Oceana County    | 1946201526     |
| TX19-12623 | Hart Police Department                               | 64 - Oceana County    | 1567-19        |
| TX19-15108 | Hart Police Department                               | 64 - Oceana County    | 462-1919-19    |
| TX19-5084  | Hart Post                                            | 64 - Oceana County    | 62-1831-19     |
| TX19-8151  | Hart Post                                            | 64 - Oceana County    | 62-3220-19     |
| TX19-9908  | Hart Post                                            | 64 - Oceana County    | 62-4114-19     |
| TX20-2538  | Hart Post                                            | 64 - Oceana County    | 62-727-20      |
| TX20-2539  | Hart Post                                            | 64 - Oceana County    | 62-709-20      |
| TX20-4653  | Hart Post                                            | 64 - Oceana County    | 62-1522-20     |
| TX20-809   | Hart Post                                            | 64 - Oceana County    | 62-6937-19     |
| TX20-8711  | Hart Post                                            | 64 - Oceana County    | 62-3275-20     |
| TX20-9575  | Hart Post                                            | 64 - Oceana County    | 62-3567-20     |
| TX21-1516  | Hart Post                                            | 64 - Oceana County    | 62-285-21      |
| TX21-5098  | Hart Post                                            | 64 - Oceana County    | 62-1397-21     |
| TX21-6061  | Hart Post                                            | 64 - Oceana County    | 62-1691-21     |
| TX22-7625  | Oceana County Sheriff Department                     | 64 - Oceana County    | 2216401578     |
| TX20-5900  | West Branch Post                                     | 65 - Ogemaw County    | 32-1357-20     |
| TX21-17669 | Ogemaw County Sheriff Department                     | 65 - Ogemaw County    | 65-2137-21     |
| TX22-1183  | Ogemaw County Sheriff Department                     | 65 - Ogemaw County    | 65-0179-22     |
| TX22-2982  | West Branch Post                                     | 65 - Ogemaw County    | 32-554-22      |
| TX22-3995  | West Branch Post                                     | 65 - Ogemaw County    | 32-721-22      |
| TX20-8879  | Ontonagon County Sheriff Department                  | 66 - Ontonagon County | 2016600807     |
| TX19-15022 | Osceola County Sheriff Department                    | 67 - Osceola County   | 67-1902837     |
| TX19-9145  | Osceola County Sheriff Department                    | 67 - Osceola County   | 67-1901686     |
| TX20-6979  | Reed City Police Department                          | 67 - Osceola County   | 694-0397-20    |
| TX20-8828  | Osceola County Sheriff Department                    | 67 - Osceola County   | 67-2000967     |
| TX21-10195 | Reed City Police Department                          | 67 - Osceola County   | 694-0619-21    |

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| TX21-16955 | Osceola County Sheriff Department     | 67 - Osceola County | 67-2101952    |
| TX21-6314  | Osceola County Sheriff Department     | 67 - Osceola County | 672100651     |
| TX22-7352  | Reed City Police Department           | 67 - Osceola County | 2269400360    |
| TX20-4780  | Oscoda County Sheriff Department      | 68 - Oscoda County  | 68-0533-20    |
| TX19-14351 | Gaylord Post                          | 69 - Otsego County  | 73-4795-19    |
| TX19-14691 | Gaylord Post                          | 69 - Otsego County  | 73-4971-19    |
| TX19-4734  | Gaylord Post                          | 69 - Otsego County  | 73-1654-19    |
| TX19-6895  | Gaylord Post                          | 69 - Otsego County  | 73-2254-19    |
| TX20-10483 | Otsego County Sheriff Department      | 69 - Otsego County  | 69-2513-20    |
| TX20-10713 | Otsego County Sheriff Department      | 69 - Otsego County  | 69-2569-20    |
| TX20-10850 | Otsego County Sheriff Department      | 69 - Otsego County  | 69-2583-20    |
| TX20-10958 | Otsego County Sheriff Department      | 69 - Otsego County  | 69-2599-20    |
| TX20-11556 | Otsego County Sheriff Department      | 69 - Otsego County  | 69-2701-20    |
| TX20-14699 | Otsego County Sheriff Department      | 69 - Otsego County  | 69-3488-20    |
| TX20-15546 | Gaylord Police Department             | 69 - Otsego County  | 2042102809    |
| TX20-15826 | Otsego County Sheriff Department      | 69 - Otsego County  | 69-3726-20    |
| TX20-16121 | Otsego County Sheriff Department      | 69 - Otsego County  | 69-3813-20    |
| TX20-16357 | Gaylord Police Department             | 69 - Otsego County  | 2042102939    |
| TX20-17976 | Otsego County Sheriff Department      | 69 - Otsego County  | 69-4242-20    |
| TX20-210   | Gaylord Post                          | 69 - Otsego County  | 73-5450-19    |
| TX20-2668  | Gaylord Post                          | 69 - Otsego County  | 73-561-20     |
| TX20-4061  | Otsego County Sheriff Department      | 69 - Otsego County  | 69-587-20     |
| TX20-6528  | Gaylord Post                          | 69 - Otsego County  | 73-1597-20    |
| TX20-6530  | Gaylord Post                          | 69 - Otsego County  | 73-1631-20    |
| TX21-12763 | Gaylord Post                          | 69 - Otsego County  | 73-2895-21    |
| TX21-14027 | Gaylord Post                          | 69 - Otsego County  | 73-3138-21    |
| TX21-16010 | Otsego County Sheriff Department      | 69 - Otsego County  | 69-4036-21    |
| TX21-5416  | Otsego County Sheriff Department      | 69 - Otsego County  | 69-1303-21    |
| TX21-5647  | Otsego County Sheriff Department      | 69 - Otsego County  | 69-1395-21    |
| TX21-7459  | Gaylord Police Department             | 69 - Otsego County  | 2142101107    |
| TX21-8655  | Seventh District HQ                   | 69 - Otsego County  | 70-256-21     |
| TX22-7612  | Seventh District HQ                   | 69 - Otsego County  | 70-236-22     |
| TX19-7199  | Keweenaw Bay Tribal Police Department | 7 - Baraga County   | 19-1188       |
| TX21-2868  | Baraga County Sheriff Department      | 7 - Baraga County   | 107-210267    |
| TX19-11716 | Ottawa County Sheriff Department      | 70 - Ottawa County  | 1909050087    |
| TX19-12157 | Ottawa County Sheriff Department      | 70 - Ottawa County  | 1909140038    |
| TX19-13385 | Zeeland Police Department             | 70 - Ottawa County  | 19-10180002   |
| TX19-16093 | Ottawa County Sheriff Department      | 70 - Ottawa County  | 1912160205    |
| TX19-4148  | Ottawa County Sheriff Department      | 70 - Ottawa County  | 2019-03290207 |
| TX19-9651  | Ottawa County Sheriff Department      | 70 - Ottawa County  | 1907240196    |
| TX20-10561 | Ottawa County Sheriff Department      | 70 - Ottawa County  | 2008010212    |
| TX20-11922 | Ottawa County Sheriff Department      | 70 - Ottawa County  | 2008240060    |
| TX20-125   | Ottawa County Sheriff Department      | 70 - Ottawa County  | 1912280005    |
| TX20-12964 | Ottawa County Sheriff Department      | 70 - Ottawa County  | 20-09070189   |
| TX20-13274 | Ottawa County Sheriff Department      | 70 - Ottawa County  | 20-09100166   |
| TX20-13538 | Ottawa County Sheriff Department      | 70 - Ottawa County  | 20-09170180   |
| TX20-15012 | Zeeland Police Department             | 70 - Ottawa County  | 20-10110001   |
| TX20-15093 | Ottawa County Sheriff Department      | 70 - Ottawa County  | 20-10130001   |
| TX20-15880 | Ottawa County Sheriff Department      | 70 - Ottawa County  | 20-10250013   |



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| TX20-16882 | Grand Valley State University Police Department | 70 - Ottawa County | 20-11130006   |
| TX20-17147 | Ottawa County Sheriff Department                | 70 - Ottawa County | 2011170159    |
| TX20-17327 | Grand Valley State University Police Department | 70 - Ottawa County | 20-11200014   |
| TX20-17358 | Ottawa County Sheriff Department                | 70 - Ottawa County | 2011210146    |
| TX20-17632 | Ottawa County Sheriff Department                | 70 - Ottawa County | 20-12010156   |
| TX20-17824 | Holland Police Department                       | 70 - Ottawa County | 20-12030041   |
| TX20-18040 | Ottawa County Sheriff Department                | 70 - Ottawa County | 20-12070011   |
| TX20-18160 | Ottawa County Sheriff Department                | 70 - Ottawa County | 20-12140135   |
| TX20-18161 | Ottawa County Sheriff Department                | 70 - Ottawa County | 20-12110111   |
| TX20-18607 | Ottawa County Sheriff Department                | 70 - Ottawa County | 2012260125    |
| TX20-1961  | Ottawa County Sheriff Department                | 70 - Ottawa County | 20-02020121   |
| TX20-239   | Ottawa County Sheriff Department                | 70 - Ottawa County | 20-01010013   |
| TX20-2431  | Ottawa County Sheriff Department                | 70 - Ottawa County | 2002080001    |
| TX20-2436  | Ottawa County Sheriff Department                | 70 - Ottawa County | 2002090017    |
| TX20-2596  | Zeeland Police Department                       | 70 - Ottawa County | 20-0217-0003  |
| TX20-2627  | Ottawa County Sheriff Department                | 70 - Ottawa County | 2002160006    |
| TX20-3942  | Grand Valley State University Police Department | 70 - Ottawa County | 20-03100012   |
| TX20-5027  | Ottawa County Sheriff Department                | 70 - Ottawa County | 20-04180002   |
| TX20-5122  | Ottawa County Sheriff Department                | 70 - Ottawa County | 2004220058    |
| TX20-6431  | Ottawa County Sheriff Department                | 70 - Ottawa County | 2020-05240031 |
| TX20-6746  | Holland Police Department                       | 70 - Ottawa County | 2005280029    |
| TX20-6875  | Zeeland Police Department                       | 70 - Ottawa County | 20-06020008   |
| TX20-8939  | Ottawa County Sheriff Department                | 70 - Ottawa County | 2020-07090088 |
| TX20-9105  | Ottawa County Sheriff Department                | 70 - Ottawa County | 20-07030186   |
| TX20-9646  | Zeeland Police Department                       | 70 - Ottawa County | 20-07170006   |
| TX21-10308 | Ottawa County Sheriff Department                | 70 - Ottawa County | 2021-07030175 |
| TX21-10933 | Ottawa County Sheriff Department                | 70 - Ottawa County | 2107100169    |
| TX21-11853 | Ottawa County Sheriff Department                | 70 - Ottawa County | 2107260020    |
| TX21-12324 | Ottawa County Sheriff Department                | 70 - Ottawa County | 2021-08020147 |
| TX21-12367 | Holland Police Department                       | 70 - Ottawa County | 21-08070006   |
| TX21-1244  | Ottawa County Sheriff Department                | 70 - Ottawa County | 21-01180146   |
| TX21-12840 | Ottawa County Sheriff Department                | 70 - Ottawa County | 21-08100222   |
| TX21-12843 | Ottawa County Sheriff Department                | 70 - Ottawa County | 21-08100224   |
| TX21-15074 | Ottawa County Sheriff Department                | 70 - Ottawa County | 2109190124    |
| TX21-1529  | Ottawa County Sheriff Department                | 70 - Ottawa County | 21-01260062   |
| TX21-2951  | Ottawa County Sheriff Department                | 70 - Ottawa County | 21-02230184   |
| TX21-3184  | Ottawa County Sheriff Department                | 70 - Ottawa County | 21-02260183   |
| TX21-3516  | Ottawa County Sheriff Department                | 70 - Ottawa County | 21-03050194   |
| TX21-4480  | Ottawa County Sheriff Department                | 70 - Ottawa County | 21-03220203   |
| TX21-5067  | Grand Haven Police Department                   | 70 - Ottawa County | 21-04020004   |
| TX21-6343  | Zeeland Police Department                       | 70 - Ottawa County | 2021-04220007 |
| TX21-9995  | Ottawa County Sheriff Department                | 70 - Ottawa County | 21-06290147   |
| TX22-1419  | Ottawa County Sheriff Department                | 70 - Ottawa County | 2201240116    |
| TX22-1950  | Ottawa County Sheriff Department                | 70 - Ottawa County | 2022-02050009 |
| TX22-2682  | Ottawa County Sheriff Department                | 70 - Ottawa County | 2022-02200135 |
| TX22-3593  | Ottawa County Sheriff Department                | 70 - Ottawa County | 22-02280099   |
| TX22-4075  | Ottawa County Sheriff Department                | 70 - Ottawa County | 22-03190110   |
| TX22-4076  | Ottawa County Sheriff Department                | 70 - Ottawa County | 2203180052    |
| TX22-4104  | Zeeland Police Department                       | 70 - Ottawa County | 22-03160006   |

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| TX22-4367  | Ottawa County Sheriff Department       | 70 - Ottawa County       | 202203250017  |
| TX22-4506  | Holland Police Department              | 70 - Ottawa County       | 22-03250030   |
| TX22-506   | Ottawa County Sheriff Department       | 70 - Ottawa County       | 2112300025    |
| TX22-5759  | Ottawa County Sheriff Department       | 70 - Ottawa County       | 2022-04200146 |
| TX22-6501  | Ottawa County Sheriff Department       | 70 - Ottawa County       | 2022-05050143 |
| TX22-6631  | Ottawa County Sheriff Department       | 70 - Ottawa County       | 22-05090259   |
| TX22-7135  | Ottawa County Sheriff Department       | 70 - Ottawa County       | 22-05160222   |
| TX19-13610 | Presque Isle County Sheriff Department | 71 - Presque Isle County | 8149-19       |
| TX20-18044 | Presque Isle County Sheriff Department | 71 - Presque Isle County | 9156-20       |
| TX20-8155  | Presque Isle County Sheriff Department | 71 - Presque Isle County | 20-3948       |
| TX21-12384 | Rogers City Police Department          | 71 - Presque Isle County | 21-5682       |
| TX21-7102  | Presque Isle County Sheriff Department | 71 - Presque Isle County | 2673-21       |
| TX19-11133 | Denton Township Police Department      | 72 - Roscommon County    | 19-1293       |
| TX19-12200 | Houghton Lake Post                     | 72 - Roscommon County    | 72-2401-19    |
| TX19-4059  | Houghton Lake Post                     | 72 - Roscommon County    | 72-713-19     |
| TX19-7879  | Houghton Lake Post                     | 72 - Roscommon County    | 72-1513-19    |
| TX19-9826  | Houghton Lake Post                     | 72 - Roscommon County    | 72-1923-19    |
| TX20-11009 | Houghton Lake Post                     | 72 - Roscommon County    | 72-2201-20    |
| TX20-14287 | Houghton Lake Post                     | 72 - Roscommon County    | 72-2725-20    |
| TX20-15079 | Houghton Lake Post                     | 72 - Roscommon County    | 72-2849-20    |
| TX20-17826 | Houghton Lake Post                     | 72 - Roscommon County    | 72-3385-20    |
| TX20-17827 | Houghton Lake Post                     | 72 - Roscommon County    | 72-3389-20    |
| TX20-1800  | Denton Township Police Department      | 72 - Roscommon County    | 20-160        |
| TX20-219   | Houghton Lake Post                     | 72 - Roscommon County    | 72-3442-19    |
| TX20-2960  | Houghton Lake Post                     | 72 - Roscommon County    | 72-393-20     |
| TX20-3090  | Houghton Lake Post                     | 72 - Roscommon County    | 72-454-20     |
| TX20-7217  | Roscommon County Sheriff Department    | 72 - Roscommon County    | 12-1571-20    |
| TX20-7522  | Houghton Lake Post                     | 72 - Roscommon County    | 72-1560-20    |
| TX20-8168  | Houghton Lake Post                     | 72 - Roscommon County    | 72-1641-20    |
| TX21-10153 | Houghton Lake Post                     | 72 - Roscommon County    | 72-1834-21    |
| TX21-13878 | Houghton Lake Post                     | 72 - Roscommon County    | 72-2492-21    |
| TX21-13879 | Houghton Lake Post                     | 72 - Roscommon County    | 72-2471-21    |
| TX21-13880 | Houghton Lake Post                     | 72 - Roscommon County    | 72-2488-21    |
| TX21-15533 | Houghton Lake Post                     | 72 - Roscommon County    | 72-2807-21    |
| TX21-18385 | Houghton Lake Post                     | 72 - Roscommon County    | 72-3371-21    |
| TX21-279   | Houghton Lake Post                     | 72 - Roscommon County    | 72-3491-20    |
| TX21-7540  | Houghton Lake Post                     | 72 - Roscommon County    | 72-1314-21    |
| TX22-1401  | Houghton Lake Post                     | 72 - Roscommon County    | 72-202-22     |
| TX22-3337  | Houghton Lake Post                     | 72 - Roscommon County    | 72-519-22     |
| TX22-348   | Houghton Lake Post                     | 72 - Roscommon County    | 72-3756-21    |
| TX22-6985  | Houghton Lake Post                     | 72 - Roscommon County    | 72-1164-22    |
| TX19-11163 | Saginaw County Sheriff Department      | 73 - Saginaw County      | 1917345707    |
| TX19-11731 | Thomas Township Police Department      | 73 - Saginaw County      | 1989401823    |
| TX19-6995  | Buena Vista Twp. Police Department     | 73 - Saginaw County      | 428-19        |
| TX19-7961  | Saginaw Police Department              | 73 - Saginaw County      | 19-2816       |
| TX19-8998  | Saginaw County Sheriff Department      | 73 - Saginaw County      | 1917304564    |
| TX20-11080 | Third District Headquarters            | 73 - Saginaw County      | 30-297-20     |
| TX20-11343 | Thomas Township Police Department      | 73 - Saginaw County      | 2089401407    |
| TX20-11673 | Third District Headquarters            | 73 - Saginaw County      | 30-313-20     |

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| TX20-11781 | Third District Headquarters        | 73 - Saginaw County | 30-329-20  |
| TX20-12097 | Saginaw County Sheriff Department  | 73 - Saginaw County | 2017304532 |
| TX20-12904 | Third District Headquarters        | 73 - Saginaw County | 30-407-20  |
| TX20-13131 | Third District Headquarters        | 73 - Saginaw County | 30-422-20  |
| TX20-13314 | Third District Headquarters        | 73 - Saginaw County | 30-410-20  |
| TX20-13496 | Saginaw County Sheriff Department  | 73 - Saginaw County | 2017304913 |
| TX20-14558 | Saginaw County Sheriff Department  | 73 - Saginaw County | 2017305312 |
| TX20-14565 | Saginaw Township Police Department | 73 - Saginaw County | 2071803662 |
| TX20-14579 | Third District Headquarters        | 73 - Saginaw County | 30-505-20  |
| TX20-14867 | Saginaw County Sheriff Department  | 73 - Saginaw County | 2017305428 |
| TX20-15227 | Third District Headquarters        | 73 - Saginaw County | 30-537-20  |
| TX20-15246 | Third District Headquarters        | 73 - Saginaw County | 30-561-20  |
| TX20-15306 | Saginaw County Sheriff Department  | 73 - Saginaw County | 2017305496 |
| TX20-15420 | Third District Headquarters        | 73 - Saginaw County | 30-548-20  |
| TX20-15422 | Third District Headquarters        | 73 - Saginaw County | 30-550-20  |
| TX20-16070 | Third District Headquarters        | 73 - Saginaw County | 30-601-20  |
| TX20-16415 | Third District Headquarters        | 73 - Saginaw County | 30-657-20  |
| TX20-16416 | Third District Headquarters        | 73 - Saginaw County | 30-637-20  |
| TX20-17891 | Third District Headquarters        | 73 - Saginaw County | 30-718-20  |
| TX20-17893 | Third District Headquarters        | 73 - Saginaw County | 30-690-20  |
| TX20-18378 | Third District Headquarters        | 73 - Saginaw County | 30-799-20  |
| TX20-18654 | Third District Headquarters        | 73 - Saginaw County | 30-808-20  |
| TX20-3076  | Saginaw County Sheriff Department  | 73 - Saginaw County | 2017301317 |
| TX20-3380  | Third District Headquarters        | 73 - Saginaw County | 30-81-20   |
| TX20-3428  | Third District Headquarters        | 73 - Saginaw County | 30-78-20   |
| TX20-4394  | Saginaw County Sheriff Department  | 73 - Saginaw County | 2017301877 |
| TX20-5676  | Saginaw Township Police Department | 73 - Saginaw County | 2071801698 |
| TX20-8490  | Saginaw County Sheriff Department  | 73 - Saginaw County | 2017303336 |
| TX20-9388  | Buena Vista Twp. Police Department | 73 - Saginaw County | 563-20     |
| TX21-10204 | Third District Headquarters        | 73 - Saginaw County | 30-451-21  |
| TX21-10205 | Third District Headquarters        | 73 - Saginaw County | 30-465-21  |
| TX21-10206 | Third District Headquarters        | 73 - Saginaw County | 30-438-21  |
| TX21-10790 | Third District Headquarters        | 73 - Saginaw County | 30-477-21  |
| TX21-10881 | Saginaw Police Department          | 73 - Saginaw County | 21-3452    |
| TX21-11480 | Third District Headquarters        | 73 - Saginaw County | 30-545-21  |
| TX21-11481 | Third District Headquarters        | 73 - Saginaw County | 30-518-21  |
| TX21-11827 | Third District Headquarters        | 73 - Saginaw County | 30-558-21  |
| TX21-11948 | Saginaw County Sheriff Department  | 73 - Saginaw County | 2117304185 |
| TX21-12049 | Third District Headquarters        | 73 - Saginaw County | 30-565-21  |
| TX21-12285 | Third District Headquarters        | 73 - Saginaw County | 30-567-21  |
| TX21-12535 | Third District Headquarters        | 73 - Saginaw County | 30-571-21  |
| TX21-12564 | St. Charles Police Department      | 73 - Saginaw County | 2172000231 |
| TX21-1263  | Third District Headquarters        | 73 - Saginaw County | 30-12-21   |
| TX21-13571 | Third District Headquarters        | 73 - Saginaw County | 30-620-21  |
| TX21-13732 | Third District Headquarters        | 73 - Saginaw County | 30-612-21  |
| TX21-13753 | Third District Headquarters        | 73 - Saginaw County | 30-622-21  |
| TX21-13965 | Saginaw County Sheriff Department  | 73 - Saginaw County | 2117305065 |
| TX21-14016 | Third District Headquarters        | 73 - Saginaw County | 30-667-21  |
| TX21-14041 | Third District Headquarters        | 73 - Saginaw County | 30-664-21  |

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| TX21-14130 | Third District Headquarters           | 73 - Saginaw County | 30-654-21  |
| TX21-14702 | Third District Headquarters           | 73 - Saginaw County | 30-690-21  |
| TX21-15723 | Third District Headquarters           | 73 - Saginaw County | 30-749-21  |
| TX21-17043 | Third District Headquarters           | 73 - Saginaw County | 30-794-21  |
| TX21-17341 | Third District Headquarters           | 73 - Saginaw County | 30-830-21  |
| TX21-17616 | Third District Headquarters           | 73 - Saginaw County | 30-833-21  |
| TX21-17684 | Third District Headquarters           | 73 - Saginaw County | 30-826-21  |
| TX21-18581 | Saginaw County Sheriff Department     | 73 - Saginaw County | 21-6938    |
| TX21-18584 | Third District Headquarters           | 73 - Saginaw County | 30-892-21  |
| TX21-18989 | Third District Headquarters           | 73 - Saginaw County | 30-894-21  |
| TX21-1922  | Saginaw Township Police Department    | 73 - Saginaw County | 2171800325 |
| TX21-2056  | Third District Headquarters           | 73 - Saginaw County | 30-40-21   |
| TX21-2058  | Third District Headquarters           | 73 - Saginaw County | 30-41-21   |
| TX21-2217  | Third District Headquarters           | 73 - Saginaw County | 30-81-21   |
| TX21-2305  | Third District Headquarters           | 73 - Saginaw County | 30-80-21   |
| TX21-280   | Third District Headquarters           | 73 - Saginaw County | 30-806-20  |
| TX21-2888  | Third District Headquarters           | 73 - Saginaw County | 30-112-21  |
| TX21-303   | Third District Headquarters           | 73 - Saginaw County | 30-755-20  |
| TX21-3038  | Saginaw Township Police Department    | 73 - Saginaw County | 2171800633 |
| TX21-3039  | St. Charles Police Department         | 73 - Saginaw County | 2172000052 |
| TX21-304   | Third District Headquarters           | 73 - Saginaw County | 30-763-20  |
| TX21-305   | Third District Headquarters           | 73 - Saginaw County | 30-814-20  |
| TX21-308   | Third District Headquarters           | 73 - Saginaw County | 30-775-20  |
| TX21-3829  | Third District Headquarters           | 73 - Saginaw County | 30-133-21  |
| TX21-4609  | Third District Headquarters           | 73 - Saginaw County | 30-206-21  |
| TX21-4611  | Third District Headquarters           | 73 - Saginaw County | 30-186-21  |
| TX21-4668  | Third District Headquarters           | 73 - Saginaw County | Not Given  |
| TX21-4670  | Third District Headquarters           | 73 - Saginaw County | 30-190-21  |
| TX21-5218  | Third District Headquarters           | 73 - Saginaw County | 30-233-21  |
| TX21-5224  | Third District Headquarters           | 73 - Saginaw County | 30-226-21  |
| TX21-5398  | Third District Headquarters           | 73 - Saginaw County | 30-208-21  |
| TX21-5893  | Third District Headquarters           | 73 - Saginaw County | 30-264-21  |
| TX21-5979  | Tittabawassee Twp. Police Department  | 73 - Saginaw County | 2177800179 |
| TX21-6413  | Third District Headquarters           | 73 - Saginaw County | 30-278-21  |
| TX21-738   | Third District Headquarters           | 73 - Saginaw County | 30-823-20  |
| TX21-740   | Third District Headquarters           | 73 - Saginaw County | 30-3-21    |
| TX21-7495  | Third District Headquarters           | 73 - Saginaw County | 30-324-21  |
| TX21-7988  | Third District Headquarters           | 73 - Saginaw County | 30-356-21  |
| TX21-8176  | Saginaw County Sheriff Department     | 73 - Saginaw County | 21-2873    |
| TX21-8182  | Third District Headquarters           | 73 - Saginaw County | 30-367-21  |
| TX21-8341  | Third District Headquarters           | 73 - Saginaw County | 30-375-21  |
| TX21-8347  | Third District Headquarters           | 73 - Saginaw County | 30-372-21  |
| TX21-8955  | Saginaw Police Department             | 73 - Saginaw County | 21-2611    |
| TX21-8961  | Third District Headquarters           | 73 - Saginaw County | 30-403-21  |
| TX21-9552  | Third District Headquarters           | 73 - Saginaw County | 30-417-21  |
| TX21-9660  | Carrollton Township Police Department | 73 - Saginaw County | 2128800594 |
| TX21-986   | Third District Headquarters           | 73 - Saginaw County | 30-18-21   |
| TX22-155   | Third District Headquarters           | 73 - Saginaw County | 30-970-21  |
| TX22-2096  | Third District Headquarters           | 73 - Saginaw County | 30-104-22  |

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| TX22-3068  | Third District Headquarters         | 73 - Saginaw County   | 30-153-22  |
| TX22-3329  | Third District Headquarters         | 73 - Saginaw County   | 30-202-22  |
| TX22-3373  | Third District Headquarters         | 73 - Saginaw County   | 30-192-22  |
| TX22-3477  | Saginaw County Sheriff Department   | 73 - Saginaw County   | 2217301251 |
| TX22-3644  | Saginaw Police Department           | 73 - Saginaw County   | 22-1023    |
| TX22-381   | Third District Headquarters         | 73 - Saginaw County   | 30-8-22    |
| TX22-3847  | Third District Headquarters         | 73 - Saginaw County   | 30-214-22  |
| TX22-4086  | Third District Headquarters         | 73 - Saginaw County   | Not Given  |
| TX22-4281  | Third District Headquarters         | 73 - Saginaw County   | 30-252-22  |
| TX22-4966  | Third District Headquarters         | 73 - Saginaw County   | 30-288-22  |
| TX22-5364  | Saginaw County Sheriff Department   | 73 - Saginaw County   | 2217301974 |
| TX22-61    | Third District Headquarters         | 73 - Saginaw County   | 30-963-21  |
| TX22-6115  | Third District Headquarters         | 73 - Saginaw County   | 30-344-22  |
| TX22-6291  | Third District Headquarters         | 73 - Saginaw County   | 30-363-22  |
| TX22-6296  | Third District Headquarters         | 73 - Saginaw County   | 30-343-22  |
| TX22-693   | Third District Headquarters         | 73 - Saginaw County   | 30-977-21  |
| TX22-7261  | Third District Headquarters         | 73 - Saginaw County   | 30-445-22  |
| TX22-7480  | Frankenmuth Police Department       | 73 - Saginaw County   | 257-22     |
| TX22-7519  | Saginaw County Sheriff Department   | 73 - Saginaw County   | 2217303045 |
| TX22-7565  | Third District Headquarters         | 73 - Saginaw County   | 30-521-22  |
| TX22-7572  | Third District Headquarters         | 73 - Saginaw County   | 30-477-22  |
| TX22-7576  | Third District Headquarters         | 73 - Saginaw County   | 30-507-22  |
| TX22-7860  | Third District Headquarters         | 73 - Saginaw County   | 30-494-22  |
| TX22-7936  | Saginaw County Sheriff Department   | 73 - Saginaw County   | 2217303085 |
| TX19-10706 | Port Huron Police Department        | 74 - St. Clair County | 190019015  |
| TX19-10912 | Port Huron Police Department        | 74 - St. Clair County | 190019389  |
| TX19-11874 | Clay Township Police Department     | 74 - St. Clair County | 19-7925    |
| TX19-12387 | Port Huron Police Department        | 74 - St. Clair County | 19-21758   |
| TX19-13694 | St. Clair County Sheriff Department | 74 - St. Clair County | 190035285  |
| TX19-13695 | St. Clair County Sheriff Department | 74 - St. Clair County | 190034801  |
| TX19-14786 | St. Clair County Sheriff Department | 74 - St. Clair County | 190038221  |
| TX19-15448 | St. Clair County Sheriff Department | 74 - St. Clair County | 190039773  |
| TX19-4012  | Port Huron Police Department        | 74 - St. Clair County | 19-5933    |
| TX19-4288  | Clay Township Police Department     | 74 - St. Clair County | 19-2363    |
| TX19-4634  | Port Huron Police Department        | 74 - St. Clair County | 19-7101    |
| TX19-6106  | St. Clair County Sheriff Department | 74 - St. Clair County | 190013289  |
| TX19-6167  | Clay Township Police Department     | 74 - St. Clair County | 19-3580    |
| TX19-6853  | Clay Township Police Department     | 74 - St. Clair County | 19-3986    |
| TX19-7102  | Marine City Police Department       | 74 - St. Clair County | 19-1609    |
| TX19-7137  | St. Clair County Sheriff Department | 74 - St. Clair County | 190015799  |
| TX19-8186  | Clay Township Police Department     | 74 - St. Clair County | 19-4943    |
| TX19-8847  | Clay Township Police Department     | 74 - St. Clair County | 19-5607    |
| TX19-9000  | St. Clair County Sheriff Department | 74 - St. Clair County | 190019961  |
| TX20-11062 | Port Huron Police Department        | 74 - St. Clair County | 20-15861   |
| TX20-11074 | St. Clair County Sheriff Department | 74 - St. Clair County | 200023528  |
| TX20-12496 | St. Clair County Sheriff Department | 74 - St. Clair County | 2000-25868 |
| TX20-13130 | St. Clair County Sheriff Department | 74 - St. Clair County | 200026553  |
| TX20-13231 | Clay Township Police Department     | 74 - St. Clair County | 20-6947    |
| TX20-13439 | Clay Township Police Department     | 74 - St. Clair County | 20-7103    |

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| TX20-142   | St. Clair County Sheriff Department  | 74 - St. Clair County  | 190042821  |
| TX20-14702 | Port Huron Police Department         | 74 - St. Clair County  | 20-20827   |
| TX20-15392 | Clay Township Police Department      | 74 - St. Clair County  | 20-7868    |
| TX20-17086 | Port Huron Police Department         | 74 - St. Clair County  | 20-24169   |
| TX20-17804 | Clay Township Police Department      | 74 - St. Clair County  | 20-9246    |
| TX20-3621  | St. Clair County Sheriff Department  | 74 - St. Clair County  | 20-7478    |
| TX20-3624  | St. Clair County Sheriff Department  | 74 - St. Clair County  | 200007496  |
| TX20-589   | Clay Township Police Department      | 74 - St. Clair County  | 20-243     |
| TX20-5950  | Clay Township Police Department      | 74 - St. Clair County  | 20-3113    |
| TX20-6327  | Capac Police Department              | 74 - St. Clair County  | 20-517     |
| TX20-9944  | St. Clair County Sheriff Department  | 74 - St. Clair County  | 200019929  |
| TX21-11765 | St. Clair Police Department          | 74 - St. Clair County  | 21-2664    |
| TX21-14505 | Port Huron Police Department         | 74 - St. Clair County  | 21-21127   |
| TX21-17311 | Port Huron Police Department         | 74 - St. Clair County  | 21-25796   |
| TX21-19518 | Marysville Police Department         | 74 - St. Clair County  | 210005523  |
| TX21-2044  | St. Clair Police Department          | 74 - St. Clair County  | 21-345     |
| TX21-253   | Clay Township Police Department      | 74 - St. Clair County  | 20-9892    |
| TX21-3008  | Clay Township Police Department      | 74 - St. Clair County  | 21-1117    |
| TX21-3666  | Clay Township Police Department      | 74 - St. Clair County  | 21-1701    |
| TX21-4531  | Clay Township Police Department      | 74 - St. Clair County  | 21-2195    |
| TX21-5025  | St. Clair County Sheriff Department  | 74 - St. Clair County  | 210008764  |
| TX21-5026  | St. Clair County Sheriff Department  | 74 - St. Clair County  | 210009414  |
| TX21-5317  | Clay Township Police Department      | 74 - St. Clair County  | 21-2712    |
| TX21-6536  | St. Clair County Sheriff Department  | 74 - St. Clair County  | 210013606  |
| TX21-7986  | St. Clair Police Department          | 74 - St. Clair County  | 21-1757    |
| TX21-8991  | Port Huron Police Department         | 74 - St. Clair County  | 21-11857   |
| TX22-1217  | Clay Township Police Department      | 74 - St. Clair County  | 22-500     |
| TX22-3641  | Port Huron Police Department         | 74 - St. Clair County  | 22-4319    |
| TX22-3907  | Port Huron Police Department         | 74 - St. Clair County  | 22-4940    |
| TX22-4554  | Clay Township Police Department      | 74 - St. Clair County  | 22-2406    |
| TX19-5117  | Three Rivers Police Department       | 75 - St. Joseph County | 2250-19    |
| TX19-5192  | St. Joseph County Sheriff Department | 75 - St. Joseph County | 2407-19    |
| TX19-5264  | Three Rivers Police Department       | 75 - St. Joseph County | 2242-19    |
| TX19-9270  | St. Joseph County Sheriff Department | 75 - St. Joseph County | 4518-19    |
| TX20-15008 | Sturgis Police Department            | 75 - St. Joseph County | 60-5393-20 |
| TX20-1920  | Constantine Police Department        | 75 - St. Joseph County | 85-20      |
| TX20-8270  | St. Joseph County Sheriff Department | 75 - St. Joseph County | 3834-20    |
| TX21-16019 | St. Joseph County Sheriff Department | 75 - St. Joseph County | 7283-21    |
| TX21-16968 | Sturgis Police Department            | 75 - St. Joseph County | 60-6579-21 |
| TX21-5864  | St. Joseph County Sheriff Department | 75 - St. Joseph County | 2323-21    |
| TX21-5865  | St. Joseph County Sheriff Department | 75 - St. Joseph County | 2295-21    |
| TX22-5026  | St. Joseph County Sheriff Department | 75 - St. Joseph County | 2214-22    |
| TX19-11769 | Sanilac County Sheriff Department    | 76 - Sanilac County    | 2019-9600  |
| TX19-8103  | Lexington Police Department          | 76 - Sanilac County    | 19-954     |
| TX20-13202 | Sanilac County Sheriff Department    | 76 - Sanilac County    | 20-10188   |
| TX20-16225 | Sandusky Police Department           | 76 - Sanilac County    | 20-2497    |
| TX21-11927 | Lexington Police Department          | 76 - Sanilac County    | 21-814     |
| TX21-14102 | Sanilac County Sheriff Department    | 76 - Sanilac County    | 2021-9799  |
| TX21-19617 | Sanilac County Sheriff Department    | 76 - Sanilac County    | 21-14281   |

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| TX22-7520  | Sandusky Police Department           | 76 - Sanilac County     | 22-975     |
| TX19-12372 | Manistique Public Safety             | 77 - Schoolcraft County | 19-2458    |
| TX19-12824 | Manistique Outpost                   | 77 - Schoolcraft County | 88-702-19  |
| TX20-12667 | Manistique Outpost                   | 77 - Schoolcraft County | 88-669-20  |
| TX20-13924 | Manistique Outpost                   | 77 - Schoolcraft County | 88-744-20  |
| TX20-5976  | Manistique Outpost                   | 77 - Schoolcraft County | 88-305-20  |
| TX20-6421  | Manistique Outpost                   | 77 - Schoolcraft County | 88-337-20  |
| TX20-8843  | Manistique Outpost                   | 77 - Schoolcraft County | 88-446-20  |
| TX21-10927 | Manistique Outpost                   | 77 - Schoolcraft County | 88-561-21  |
| TX21-4374  | Manistique Public Safety             | 77 - Schoolcraft County | 21-0533    |
| TX19-10705 | Perry Police Department              | 78 - Shiawassee County  | 2019-00407 |
| TX19-13222 | Shiawassee County Sheriff Department | 78 - Shiawassee County  | 2019-03922 |
| TX19-13831 | Shiawassee County Sheriff Department | 78 - Shiawassee County  | 2019-04156 |
| TX19-5831  | Shiawassee County Sheriff Department | 78 - Shiawassee County  | 201901628  |
| TX20-10415 | Shiawassee County Sheriff Department | 78 - Shiawassee County  | 2020-02289 |
| TX20-6151  | Laingsburg Police Department         | 78 - Shiawassee County  | 20-0078    |
| TX21-15978 | Durand Police Department             | 78 - Shiawassee County  | 21-1008    |
| TX21-17078 | Shiawassee County Sheriff Department | 78 - Shiawassee County  | 2021-02789 |
| TX21-17340 | Durand Police Department             | 78 - Shiawassee County  | 21-1117    |
| TX21-6048  | Durand Police Department             | 78 - Shiawassee County  | 21-326     |
| TX22-1434  | Shiawassee County Sheriff Department | 78 - Shiawassee County  | 2022-00286 |
| TX22-688   | Shiawassee County Sheriff Department | 78 - Shiawassee County  | 2021-03556 |
| TX22-8028  | Shiawassee County Sheriff Department | 78 - Shiawassee County  | 2022-01805 |
| TX19-10278 | Tuscola County Sheriff Department    | 79 - Tuscola County     | 1917903077 |
| TX19-11116 | Tuscola County Sheriff Department    | 79 - Tuscola County     | 1917903283 |
| TX19-11117 | Tuscola County Sheriff Department    | 79 - Tuscola County     | 1917903349 |
| TX19-11732 | Vassar Police Department             | 79 - Tuscola County     | 1979500355 |
| TX19-12057 | Caro Police Department               | 79 - Tuscola County     | 1929001550 |
| TX19-12535 | Tuscola County Sheriff Department    | 79 - Tuscola County     | 1917903962 |
| TX19-14236 | Tuscola County Sheriff Department    | 79 - Tuscola County     | 190004300  |
| TX19-16083 | Tuscola County Sheriff Department    | 79 - Tuscola County     | 190004957  |
| TX19-16212 | Caro Post                            | 79 - Tuscola County     | 33-4203-19 |
| TX19-16429 | Caro Post                            | 79 - Tuscola County     | 33-4224-19 |
| TX19-5130  | Caro Police Department               | 79 - Tuscola County     | 1929000570 |
| TX19-5449  | Tuscola County Sheriff Department    | 79 - Tuscola County     | 1917901560 |
| TX19-6150  | Tuscola County Sheriff Department    | 79 - Tuscola County     | 1917901768 |
| TX19-6322  | Tuscola County Sheriff Department    | 79 - Tuscola County     | 1917901815 |
| TX19-7062  | Tuscola County Sheriff Department    | 79 - Tuscola County     | 1917902053 |
| TX19-7640  | Tuscola County Sheriff Department    | 79 - Tuscola County     | 1917902209 |
| TX19-8457  | Caro Post                            | 79 - Tuscola County     | 33-2178-19 |
| TX19-8489  | Tuscola County Sheriff Department    | 79 - Tuscola County     | 1917902553 |
| TX19-9865  | Tuscola County Sheriff Department    | 79 - Tuscola County     | 1917902928 |
| TX20-10216 | Caro Post                            | 79 - Tuscola County     | 33-1867-20 |
| TX20-10426 | Tuscola County Sheriff Department    | 79 - Tuscola County     | 200002664  |
| TX20-1360  | Tuscola County Sheriff Department    | 79 - Tuscola County     | 200000240  |
| TX20-2126  | Caro Police Department               | 79 - Tuscola County     | 2029000220 |
| TX20-2187  | Caro Police Department               | 79 - Tuscola County     | 2029000220 |
| TX20-2696  | Caro Post                            | 79 - Tuscola County     | 33-450-20  |
| TX20-286   | Caro Post                            | 79 - Tuscola County     | 33-16-20   |

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| TX20-2903  | Tuscola County Sheriff Department | 79 - Tuscola County | 200000638  |
| TX20-4157  | Tuscola County Sheriff Department | 79 - Tuscola County | 200000969  |
| TX20-5890  | Tuscola County Sheriff Department | 79 - Tuscola County | 200001469  |
| TX20-6204  | Caro Post                         | 79 - Tuscola County | 33-1204-20 |
| TX20-8961  | Tuscola County Sheriff Department | 79 - Tuscola County | 200002246  |
| TX20-8963  | Tuscola County Sheriff Department | 79 - Tuscola County | 200002295  |
| TX21-10126 | Caro Post                         | 79 - Tuscola County | 33-1697-21 |
| TX21-1080  | Tuscola County Sheriff Department | 79 - Tuscola County | 210000107  |
| TX21-12247 | Caro Post                         | 79 - Tuscola County | 33-2041-21 |
| TX21-13680 | Tuscola County Sheriff Department | 79 - Tuscola County | 210002700  |
| TX21-14077 | Caro Post                         | 79 - Tuscola County | 33-2256-21 |
| TX21-15112 | Caro Post                         | 79 - Tuscola County | 33-2415-21 |
| TX21-15836 | Tuscola County Sheriff Department | 79 - Tuscola County | 210003180  |
| TX21-16762 | Caro Post                         | 79 - Tuscola County | 33-2704-21 |
| TX21-17014 | Vassar Police Department          | 79 - Tuscola County | 210000952  |
| TX21-17316 | Tuscola County Sheriff Department | 79 - Tuscola County | 210003576  |
| TX21-17929 | Caro Post                         | 79 - Tuscola County | 33-3052-21 |
| TX21-17950 | Tuscola County Sheriff Department | 79 - Tuscola County | 210003778  |
| TX21-17951 | Tuscola County Sheriff Department | 79 - Tuscola County | 210003791  |
| TX21-18467 | Tuscola County Sheriff Department | 79 - Tuscola County | 210003914  |
| TX21-18713 | Caro Post                         | 79 - Tuscola County | 33-3164-21 |
| TX21-19470 | Tuscola County Sheriff Department | 79 - Tuscola County | 210004167  |
| TX21-4926  | Caro Post                         | 79 - Tuscola County | 33-869-21  |
| TX21-7264  | Caro Police Department            | 79 - Tuscola County | 210000645  |
| TX21-8354  | Caro Post                         | 79 - Tuscola County | 33-1372-21 |
| TX21-8724  | Tuscola County Sheriff Department | 79 - Tuscola County | 210001659  |
| TX21-8969  | Caro Post                         | 79 - Tuscola County | 33-1477-21 |
| TX21-942   | Vassar Police Department          | 79 - Tuscola County | 210000021  |
| TX22-3886  | Caro Post                         | 79 - Tuscola County | 33-705-22  |
| TX22-3915  | Tuscola County Sheriff Department | 79 - Tuscola County | 220000891  |
| TX22-4315  | Tuscola County Sheriff Department | 79 - Tuscola County | 220000994  |
| TX22-4379  | Caro Post                         | 79 - Tuscola County | 33-784-22  |
| TX22-4584  | Tuscola County Sheriff Department | 79 - Tuscola County | 220001024  |
| TX22-4585  | Tuscola County Sheriff Department | 79 - Tuscola County | 220001029  |
| TX22-5053  | Caro Post                         | 79 - Tuscola County | 33-898-22  |
| TX22-5093  | Tuscola County Sheriff Department | 79 - Tuscola County | 220001112  |
| TX22-5316  | Tuscola County Sheriff Department | 79 - Tuscola County | 220001150  |
| TX22-5407  | Tuscola County Sheriff Department | 79 - Tuscola County | 220001186  |
| TX22-6199  | Tuscola County Sheriff Department | 79 - Tuscola County | 220001390  |
| TX19-12427 | Nashville Police Department       | 8 - Barry County    | 19-00670   |
| TX19-14703 | Hastings Police Department        | 8 - Barry County    | 19-005780  |
| TX19-15873 | Barry County Sheriff Department   | 8 - Barry County    | 19-09045   |
| TX20-11293 | Hastings Police Department        | 8 - Barry County    | 20-3418    |
| TX20-15284 | Nashville Police Department       | 8 - Barry County    | 20-00987   |
| TX20-17784 | Barry County Sheriff Department   | 8 - Barry County    | 20-08072   |
| TX20-2933  | Barry County Sheriff Department   | 8 - Barry County    | 20-01257   |
| TX21-12548 | Hastings Police Department        | 8 - Barry County    | 21-3319    |
| TX21-19010 | Hastings Police Department        | 8 - Barry County    | 21-5069    |
| TX21-7691  | Barry County Sheriff Department   | 8 - Barry County    | 21-03103   |



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| TX21-9490  | Barry County Sheriff Department     | 8 - Barry County      | 21-03895    |
| TX21-9491  | Barry County Sheriff Department     | 8 - Barry County      | 21-03888    |
| TX22-1505  | Nashville Police Department         | 8 - Barry County      | 22-00032    |
| TX19-10883 | Paw Paw Post                        | 80 - Van Buren County | 51-3847-19  |
| TX19-11166 | Van Buren County Sheriff Department | 80 - Van Buren County | 4973-19     |
| TX19-13231 | South Haven Police Department       | 80 - Van Buren County | 19-1651     |
| TX19-3988  | Van Buren County Sheriff Department | 80 - Van Buren County | 1708-19     |
| TX19-4915  | Covert Township Police Department   | 80 - Van Buren County | 19-87300427 |
| TX19-6554  | Paw Paw Post                        | 80 - Van Buren County | 51-2422-19  |
| TX19-7060  | South Haven Police Department       | 80 - Van Buren County | 814-19      |
| TX19-9114  | Van Buren County Sheriff Department | 80 - Van Buren County | 3923-19     |
| TX20-11566 | Van Buren County Sheriff Department | 80 - Van Buren County | 4024-20     |
| TX20-11854 | Van Buren County Sheriff Department | 80 - Van Buren County | 4113-20     |
| TX20-12223 | Paw Paw Post                        | 80 - Van Buren County | 51-3147-20  |
| TX20-12248 | Van Buren County Sheriff Department | 80 - Van Buren County | 4189-20     |
| TX20-12430 | Lawton Police Department            | 80 - Van Buren County | 1042-20     |
| TX20-14628 | Hartford Police Department          | 80 - Van Buren County | 20-879      |
| TX20-17016 | Covert Township Police Department   | 80 - Van Buren County | 2087301446  |
| TX20-17148 | Paw Paw Post                        | 80 - Van Buren County | 51-4520-20  |
| TX20-17296 | Van Buren County Sheriff Department | 80 - Van Buren County | 5678-20     |
| TX20-18315 | Paw Paw Post                        | 80 - Van Buren County | 51-4952-20  |
| TX20-4366  | Van Buren County Sheriff Department | 80 - Van Buren County | 1645-20     |
| TX20-4994  | Paw Paw Post                        | 80 - Van Buren County | 51-1324-20  |
| TX20-6177  | Paw Paw Police Department           | 80 - Van Buren County | 20-00839    |
| TX20-6876  | Van Buren County Sheriff Department | 80 - Van Buren County | 2652-20     |
| TX20-7440  | Paw Paw Post                        | 80 - Van Buren County | 51-2104-20  |
| TX20-7539  | Paw Paw Post                        | 80 - Van Buren County | 51-2144-20  |
| TX20-8222  | Paw Paw Post                        | 80 - Van Buren County | 51-2290-20  |
| TX20-8829  | Paw Paw Post                        | 80 - Van Buren County | 51-2401-20  |
| TX21-10968 | Lawton Police Department            | 80 - Van Buren County | 21-0826     |
| TX21-12710 | Van Buren County Sheriff Department | 80 - Van Buren County | 3662-21     |
| TX21-1281  | Van Buren County Sheriff Department | 80 - Van Buren County | 0283-21     |
| TX21-1282  | Van Buren County Sheriff Department | 80 - Van Buren County | 332-21      |
| TX21-13633 | Paw Paw Post                        | 80 - Van Buren County | 51-3636-21  |
| TX21-17396 | Van Buren County Sheriff Department | 80 - Van Buren County | 5316-21     |
| TX21-17696 | Lawton Police Department            | 80 - Van Buren County | 21-1290     |
| TX21-18266 | Paw Paw Post                        | 80 - Van Buren County | 51-5302-21  |
| TX21-18968 | Van Buren County Sheriff Department | 80 - Van Buren County | 5742-21     |
| TX21-19538 | Paw Paw Police Department           | 80 - Van Buren County | 21-02348    |
| TX21-19679 | Lawton Police Department            | 80 - Van Buren County | 21-1447     |
| TX21-2517  | Paw Paw Post                        | 80 - Van Buren County | 51-649-21   |
| TX21-3704  | Paw Paw Post                        | 80 - Van Buren County | 51-994-21   |
| TX21-3705  | Paw Paw Post                        | 80 - Van Buren County | 51-917-21   |
| TX21-3706  | Paw Paw Post                        | 80 - Van Buren County | 51-989-21   |
| TX21-3814  | Paw Paw Post                        | 80 - Van Buren County | Not Given   |
| TX21-4069  | Paw Paw Post                        | 80 - Van Buren County | 51-1041-21  |
| TX21-6746  | Covert Township Police Department   | 80 - Van Buren County | 2187300533  |
| TX21-7391  | Van Buren County Sheriff Department | 80 - Van Buren County | 2125-21     |
| TX21-7420  | Van Buren County Sheriff Department | 80 - Van Buren County | 2142-21     |

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| TX21-8532  | Paw Paw Post                                                   | 80 - Van Buren County | 51-2262-21 |
| TX22-1839  | Paw Paw Post                                                   | 80 - Van Buren County | 51-590-22  |
| TX22-1951  | Paw Paw Post                                                   | 80 - Van Buren County | 51-707-22  |
| TX22-2139  | Paw Paw Post                                                   | 80 - Van Buren County | 51-811-22  |
| TX22-5289  | Paw Paw Police Department                                      | 80 - Van Buren County | 22-00610   |
| TX22-5528  | Paw Paw Post                                                   | 80 - Van Buren County | 51-1796-22 |
| TX22-7363  | Van Buren County Sheriff Department                            | 80 - Van Buren County | 2741-22    |
| TX19-10818 | Pittsfield Township Police Department                          | 81 - Washtenaw County | 19-13165   |
| TX19-11772 | Ypsilanti Police Department                                    | 81 - Washtenaw County | 19-11624   |
| TX19-12046 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-72791   |
| TX19-12050 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-74106   |
| TX19-12067 | Milan Police Department                                        | 81 - Washtenaw County | 19-10867   |
| TX19-12313 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-75206   |
| TX19-12931 | Ypsilanti Police Department                                    | 81 - Washtenaw County | 19-13519   |
| TX19-13006 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-79881   |
| TX19-13007 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-79121   |
| TX19-13064 | Saline Police Department                                       | 81 - Washtenaw County | 19-5671    |
| TX19-13226 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-81321   |
| TX19-13546 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-82491   |
| TX19-13671 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-83793   |
| TX19-13674 | Ypsilanti Police Department                                    | 81 - Washtenaw County | 19-14595   |
| TX19-14001 | Ypsilanti Police Department                                    | 81 - Washtenaw County | 19-14775   |
| TX19-14451 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-81936   |
| TX19-14452 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-88844   |
| TX19-14861 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-90904   |
| TX19-14862 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-90912   |
| TX19-14870 | University of Michigan - Ann Arbor Department of Public Safety | 81 - Washtenaw County | 19-5767    |
| TX19-14948 | Ann Arbor Police Department                                    | 81 - Washtenaw County | 19-53712   |
| TX19-15056 | Ypsilanti Police Department                                    | 81 - Washtenaw County | 19-16207   |
| TX19-16181 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-99912   |
| TX19-4025  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-22425   |
| TX19-4363  | Pittsfield Township Police Department                          | 81 - Washtenaw County | 19-4939    |
| TX19-4370  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-23813   |
| TX19-4503  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-25284   |
| TX19-4682  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-26330   |
| TX19-4819  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-27959   |
| TX19-4986  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-29171   |
| TX19-5281  | Ann Arbor Police Department                                    | 81 - Washtenaw County | 19-16265   |
| TX19-5369  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-31764   |
| TX19-5878  | Milan Police Department                                        | 81 - Washtenaw County | 19-5514    |
| TX19-6643  | Pittsfield Township Police Department                          | 81 - Washtenaw County | 19-7897    |
| TX19-6769  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-39718   |
| TX19-7334  | University of Michigan - Ann Arbor Department of Public Safety | 81 - Washtenaw County | 1990302235 |
| TX19-8209  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-49588   |
| TX19-8553  | Ann Arbor Police Department                                    | 81 - Washtenaw County | 19-27291   |
| TX19-8624  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-51947   |
| TX19-8909  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-53451   |
| TX19-9288  | Ann Arbor Police Department                                    | 81 - Washtenaw County | 19-30307   |
| TX19-9428  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-56157   |

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| TX19-9429  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-56113   |
| TX19-9484  | University of Michigan - Ann Arbor Department of Public Safety | 81 - Washtenaw County | 1990302520 |
| TX19-9843  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-59636   |
| TX20-10629 | University of Michigan - Ann Arbor Department of Public Safety | 81 - Washtenaw County | 2090302867 |
| TX20-10630 | University of Michigan - Ann Arbor Department of Public Safety | 81 - Washtenaw County | 2090302927 |
| TX20-10820 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-49964   |
| TX20-1090  | Pittsfield Township Police Department                          | 81 - Washtenaw County | 20-881     |
| TX20-11202 | Ypsilanti Police Department                                    | 81 - Washtenaw County | 20-10645   |
| TX20-1136  | Ann Arbor Police Department                                    | 81 - Washtenaw County | 20-2237    |
| TX20-1170  | Eastern Michigan Univ. Police Department                       | 81 - Washtenaw County | 20-698     |
| TX20-1171  | Eastern Michigan Univ. Police Department                       | 81 - Washtenaw County | 20-711     |
| TX20-11769 | Eastern Michigan Univ. Police Department                       | 81 - Washtenaw County | 20-4178    |
| TX20-12326 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-55937   |
| TX20-12369 | University of Michigan - Ann Arbor Department of Public Safety | 81 - Washtenaw County | 2090303264 |
| TX20-12761 | Eastern Michigan Univ. Police Department                       | 81 - Washtenaw County | 20-4232    |
| TX20-12794 | Northfield Township Police Department                          | 81 - Washtenaw County | 20-3327    |
| TX20-13681 | Ypsilanti Police Department                                    | 81 - Washtenaw County | 20-12321   |
| TX20-13781 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-63804   |
| TX20-13790 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-61670   |
| TX20-13871 | Ann Arbor Police Department                                    | 81 - Washtenaw County | 20-31341   |
| TX20-1418  | Ypsilanti Police Department                                    | 81 - Washtenaw County | 20-1035    |
| TX20-1419  | Ypsilanti Police Department                                    | 81 - Washtenaw County | 20-935     |
| TX20-14209 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-65279   |
| TX20-14322 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-66183   |
| TX20-14806 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-67976   |
| TX20-14811 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-67674   |
| TX20-15382 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-70190   |
| TX20-15702 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-69472   |
| TX20-16628 | Milan Police Department                                        | 81 - Washtenaw County | 20-9488    |
| TX20-16766 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-77230   |
| TX20-17293 | Ypsilanti Police Department                                    | 81 - Washtenaw County | 20-16137   |
| TX20-17757 | University of Michigan - Ann Arbor Department of Public Safety | 81 - Washtenaw County | 2090304751 |
| TX20-2091  | Ypsilanti Police Department                                    | 81 - Washtenaw County | 20-1621    |
| TX20-2265  | Ypsilanti Police Department                                    | 81 - Washtenaw County | 20-1884    |
| TX20-2493  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-10195   |
| TX20-260   | Ypsilanti Police Department                                    | 81 - Washtenaw County | 19-17546   |
| TX20-2603  | Eastern Michigan Univ. Police Department                       | 81 - Washtenaw County | 20-1633    |
| TX20-261   | Ypsilanti Police Department                                    | 81 - Washtenaw County | 19-17686   |
| TX20-262   | Ypsilanti Police Department                                    | 81 - Washtenaw County | 19-17718   |
| TX20-2640  | Ypsilanti Police Department                                    | 81 - Washtenaw County | 20-2205    |
| TX20-2789  | Milan Police Department                                        | 81 - Washtenaw County | 20-1802    |
| TX20-2908  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-13830   |
| TX20-2948  | Eastern Michigan Univ. Police Department                       | 81 - Washtenaw County | 20-1863    |
| TX20-3178  | Pittsfield Township Police Department                          | 81 - Washtenaw County | 2020-2865  |
| TX20-3248  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-16005   |
| TX20-3285  | Eastern Michigan Univ. Police Department                       | 81 - Washtenaw County | 20-1995    |
| TX20-3474  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-17863   |
| TX20-3820  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-19581   |
| TX20-3843  | Ypsilanti Police Department                                    | 81 - Washtenaw County | 20-3676    |

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| TX20-3989  | Ann Arbor Police Department                                    | 81 - Washtenaw County | 20-10710   |
| TX20-405   | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 19-102580  |
| TX20-502   | University of Michigan - Ann Arbor Department of Public Safety | 81 - Washtenaw County | 19-6503    |
| TX20-5872  | Pittsfield Township Police Department                          | 81 - Washtenaw County | 20-5731    |
| TX20-6056  | Pittsfield Township Police Department                          | 81 - Washtenaw County | 20-5757    |
| TX20-6403  | Ypsilanti Police Department                                    | 81 - Washtenaw County | 20-6574    |
| TX20-648   | Saline Police Department                                       | 81 - Washtenaw County | 20-00105   |
| TX20-6912  | Eastern Michigan Univ. Police Department                       | 81 - Washtenaw County | 20-3246    |
| TX20-723   | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-2625    |
| TX20-7507  | Eastern Michigan Univ. Police Department                       | 81 - Washtenaw County | 20-03391   |
| TX20-7581  | Eastern Michigan Univ. Police Department                       | 81 - Washtenaw County | 20-3359    |
| TX20-7716  | Ann Arbor Police Department                                    | 81 - Washtenaw County | 20-18996   |
| TX20-8228  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-39638   |
| TX20-8668  | Ypsilanti Police Department                                    | 81 - Washtenaw County | 20-8644    |
| TX20-876   | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-3461    |
| TX20-8880  | Ypsilanti Police Department                                    | 81 - Washtenaw County | 20-8759    |
| TX20-9233  | Eastern Michigan Univ. Police Department                       | 81 - Washtenaw County | 20-3627    |
| TX20-9293  | Ypsilanti Police Department                                    | 81 - Washtenaw County | 20-9106    |
| TX20-935   | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-3761    |
| TX20-9713  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 20-43427   |
| TX20-9726  | Ypsilanti Police Department                                    | 81 - Washtenaw County | 20-9465    |
| TX21-10086 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-41145   |
| TX21-10087 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-42487   |
| TX21-1022  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-1375    |
| TX21-10895 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-43776   |
| TX21-10896 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-44867   |
| TX21-10899 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-44026   |
| TX21-12683 | Saline Police Department                                       | 81 - Washtenaw County | 21-3651    |
| TX21-12711 | Ann Arbor Police Department                                    | 81 - Washtenaw County | 21-21461   |
| TX21-12821 | University of Michigan - Ann Arbor Department of Public Safety | 81 - Washtenaw County | 2190302568 |
| TX21-12972 | Eastern Michigan Univ. Police Department                       | 81 - Washtenaw County | 21-3872    |
| TX21-13125 | Ypsilanti Police Department                                    | 81 - Washtenaw County | 21-10311   |
| TX21-13324 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-57388   |
| TX21-13333 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-56430   |
| TX21-13347 | Ann Arbor Police Department                                    | 81 - Washtenaw County | 21-28062   |
| TX21-13409 | Saline Police Department                                       | 81 - Washtenaw County | 21-3930    |
| TX21-1383  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-3737    |
| TX21-14211 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-58393   |
| TX21-14215 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-61998   |
| TX21-1471  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-2223    |
| TX21-1537  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-4527    |
| TX21-1540  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-4607    |
| TX21-15500 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-67955   |
| TX21-1576  | Ypsilanti Police Department                                    | 81 - Washtenaw County | 21-1077    |
| TX21-16093 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-70099   |
| TX21-16737 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-74836   |
| TX21-1724  | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-6324    |
| TX21-17428 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-76849   |
| TX21-17430 | Washtenaw County Sheriff Department                            | 81 - Washtenaw County | 21-77363   |

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| TX21-17434 | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-76305 |
| TX21-17860 | Ann Arbor Police Department              | 81 - Washtenaw County | 21-42203 |
| TX21-1794  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-6112  |
| TX21-17957 | Ypsilanti Police Department              | 81 - Washtenaw County | 21-14022 |
| TX21-18162 | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-81925 |
| TX21-18331 | Ann Arbor Police Department              | 81 - Washtenaw County | 21-43038 |
| TX21-18884 | Ann Arbor Police Department              | 81 - Washtenaw County | 21-44512 |
| TX21-19078 | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-87420 |
| TX21-19731 | Ann Arbor Police Department              | 81 - Washtenaw County | 21-47518 |
| TX21-2066  | Ypsilanti Police Department              | 81 - Washtenaw County | 21-603   |
| TX21-2115  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-8231  |
| TX21-2116  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-7669  |
| TX21-2118  | Ypsilanti Police Department              | 81 - Washtenaw County | 21-1287  |
| TX21-2185  | Milan Police Department                  | 81 - Washtenaw County | 21-587   |
| TX21-226   | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 20-81258 |
| TX21-228   | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 20-85704 |
| TX21-240   | Ypsilanti Police Department              | 81 - Washtenaw County | 20-16592 |
| TX21-2531  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-9391  |
| TX21-2710  | Ypsilanti Police Department              | 81 - Washtenaw County | 21-1697  |
| TX21-2711  | Ypsilanti Police Department              | 81 - Washtenaw County | 21-1925  |
| TX21-3341  | Ann Arbor Police Department              | 81 - Washtenaw County | 21-5950  |
| TX21-3441  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-13671 |
| TX21-3831  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-15029 |
| TX21-3833  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-15581 |
| TX21-3881  | Ypsilanti Police Department              | 81 - Washtenaw County | 21-2751  |
| TX21-4617  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-18583 |
| TX21-4738  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-16302 |
| TX21-4739  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-16123 |
| TX21-4903  | Ann Arbor Police Department              | 81 - Washtenaw County | 21-9305  |
| TX21-5184  | Milan Police Department                  | 81 - Washtenaw County | 21-2504  |
| TX21-5322  | Eastern Michigan Univ. Police Department | 81 - Washtenaw County | 21-1527  |
| TX21-5568  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-23211 |
| TX21-6374  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-26137 |
| TX21-6521  | Northfield Township Police Department    | 81 - Washtenaw County | 21-1740  |
| TX21-7610  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-11502 |
| TX21-7617  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-31677 |
| TX21-7618  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-31687 |
| TX21-7661  | Ypsilanti Police Department              | 81 - Washtenaw County | 21-5731  |
| TX21-8278  | Ann Arbor Police Department              | 81 - Washtenaw County | 21-15651 |
| TX21-8873  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 21-37876 |
| TX21-8916  | Eastern Michigan Univ. Police Department | 81 - Washtenaw County | 21-2642  |
| TX21-9009  | Ypsilanti Police Department              | 81 - Washtenaw County | 21-6824  |
| TX21-936   | Milan Police Department                  | 81 - Washtenaw County | 20-11036 |
| TX21-9469  | Pittsfield Township Police Department    | 81 - Washtenaw County | 21-6958  |
| TX22-1569  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 22-7204  |
| TX22-2290  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 22-10692 |
| TX22-3122  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 22-16106 |
| TX22-3129  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 22-15975 |
| TX22-3653  | Washtenaw County Sheriff Department      | 81 - Washtenaw County | 22-18267 |

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| TX22-3655  | Washtenaw County Sheriff Department          | 81 - Washtenaw County | 22-18233   |
| TX22-3658  | Washtenaw County Sheriff Department          | 81 - Washtenaw County | 22-17007   |
| TX22-3660  | Washtenaw County Sheriff Department          | 81 - Washtenaw County | 22-17331   |
| TX22-404   | Ypsilanti Police Department                  | 81 - Washtenaw County | 21-16196   |
| TX22-4091  | Washtenaw County Sheriff Department          | 81 - Washtenaw County | 22-20673   |
| TX22-4092  | Washtenaw County Sheriff Department          | 81 - Washtenaw County | 22-19615   |
| TX22-4094  | Washtenaw County Sheriff Department          | 81 - Washtenaw County | 22-19810   |
| TX22-4097  | Washtenaw County Sheriff Department          | 81 - Washtenaw County | 22-20175   |
| TX22-4324  | Washtenaw County Sheriff Department          | 81 - Washtenaw County | 22-21238   |
| TX22-4326  | Washtenaw County Sheriff Department          | 81 - Washtenaw County | 22-21878   |
| TX22-477   | Eastern Michigan Univ. Police Department     | 81 - Washtenaw County | 21-7180    |
| TX22-5254  | Washtenaw County Sheriff Department          | 81 - Washtenaw County | 22-26724   |
| TX22-5258  | Washtenaw County Sheriff Department          | 81 - Washtenaw County | 22-26580   |
| TX22-570   | Ypsilanti Police Department                  | 81 - Washtenaw County | 22-116     |
| TX22-5875  | Washtenaw County Sheriff Department          | 81 - Washtenaw County | 22-31117   |
| TX22-5879  | Washtenaw County Sheriff Department          | 81 - Washtenaw County | 22-30760   |
| TX22-6286  | Ann Arbor Police Department                  | 81 - Washtenaw County | 22-16470   |
| TX22-6353  | Eastern Michigan Univ. Police Department     | 81 - Washtenaw County | 22-2331    |
| TX22-6376  | Washtenaw County Sheriff Department          | 81 - Washtenaw County | 22-31816   |
| TX22-6404  | Eastern Michigan Univ. Police Department     | 81 - Washtenaw County | 22-2440    |
| TX22-6442  | Ypsilanti Police Department                  | 81 - Washtenaw County | 22-4972    |
| TX22-6683  | Eastern Michigan Univ. Police Department     | 81 - Washtenaw County | 22-2488    |
| TX22-6908  | Washtenaw County Sheriff Department          | 81 - Washtenaw County | 22-34988   |
| TX22-7389  | Ann Arbor Police Department                  | 81 - Washtenaw County | 22-19617   |
| TX22-7874  | Ann Arbor Police Department                  | 81 - Washtenaw County | 22-20955   |
| TX22-984   | Washtenaw County Sheriff Department          | 81 - Washtenaw County | 22-3642    |
| TX19-10194 | Lincoln Park Police Department               | 82 - Wayne County     | 19-11328   |
| TX19-10336 | Grosse Pointe Farms Public Safety Department | 82 - Wayne County     | 19-3038    |
| TX19-10544 | Lincoln Park Police Department               | 82 - Wayne County     | 19-11328   |
| TX19-11036 | Westland Police Department                   | 82 - Wayne County     | 19-37300   |
| TX19-11173 | Dearborn Police Department                   | 82 - Wayne County     | 19-47520   |
| TX19-11207 | DPD - Precinct #9                            | 82 - Wayne County     | 1908260331 |
| TX19-11329 | Westland Police Department                   | 82 - Wayne County     | 19-38053   |
| TX19-11424 | Livonia Police Department                    | 82 - Wayne County     | 19-41126   |
| TX19-11445 | Westland Police Department                   | 82 - Wayne County     | 19-38291   |
| TX19-11509 | Wayne County Airport Police Department       | 82 - Wayne County     | 26484-19   |
| TX19-11512 | Wayne County Airport Police Department       | 82 - Wayne County     | 25906-19   |
| TX19-12085 | Canton Township Police Department            | 82 - Wayne County     | 190036354  |
| TX19-12170 | Wayne County Airport Police Department       | 82 - Wayne County     | 27159-19   |
| TX19-12172 | Wayne County Airport Police Department       | 82 - Wayne County     | 27887-19   |
| TX19-12173 | Wayne County Airport Police Department       | 82 - Wayne County     | 27926-19   |
| TX19-12273 | Livonia Police Department                    | 82 - Wayne County     | 19-44225   |
| TX19-12495 | Canton Township Police Department            | 82 - Wayne County     | 190038828  |
| TX19-12968 | Metro South Post                             | 82 - Wayne County     | 22-9331-19 |
| TX19-13039 | Canton Township Police Department            | 82 - Wayne County     | 190040348  |
| TX19-13053 | Livonia Police Department                    | 82 - Wayne County     | 19-46745   |
| TX19-13428 | Wayne County Airport Police Department       | 82 - Wayne County     | 29750-19   |
| TX19-13429 | Wayne County Airport Police Department       | 82 - Wayne County     | 29513-19   |
| TX19-13592 | Livonia Police Department                    | 82 - Wayne County     | 190048088  |

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| TX19-13820 | Plymouth Township Police Department          | 82 - Wayne County | 19-11387    |
| TX19-13821 | Plymouth Township Police Department          | 82 - Wayne County | 19-11418    |
| TX19-13887 | Garden City Police Department                | 82 - Wayne County | 190014528   |
| TX19-13907 | Livonia Police Department                    | 82 - Wayne County | 19-49929    |
| TX19-13948 | DPD - Headquarters                           | 82 - Wayne County | 191028-0087 |
| TX19-13975 | DPD - Headquarters                           | 82 - Wayne County | 1910220003  |
| TX19-14081 | Metro South Post                             | 82 - Wayne County | 22-10268-19 |
| TX19-14115 | Livonia Police Department                    | 82 - Wayne County | 19-50978    |
| TX19-14291 | Wayne County Airport Police Department       | 82 - Wayne County | 32914-19    |
| TX19-14364 | Grosse Pointe Farms Public Safety Department | 82 - Wayne County | 19-4316     |
| TX19-14455 | Westland Police Department                   | 82 - Wayne County | 19-49135    |
| TX19-14560 | Livonia Police Department                    | 82 - Wayne County | 19-51993    |
| TX19-14945 | DPD - 12th Precinct                          | 82 - Wayne County | 191122-0001 |
| TX19-14964 | Dearborn Police Department                   | 82 - Wayne County | 19-65974    |
| TX19-15050 | Metro South Post                             | 82 - Wayne County | 22-11038-19 |
| TX19-15264 | Metro South Post                             | 82 - Wayne County | 22-11178-19 |
| TX19-15589 | Riverview Police Department                  | 82 - Wayne County | 19-8754     |
| TX19-15606 | Canton Township Police Department            | 82 - Wayne County | 190049095   |
| TX19-15652 | Plymouth Township Police Department          | 82 - Wayne County | 190012771   |
| TX19-15784 | Canton Township Police Department            | 82 - Wayne County | 190050234   |
| TX19-15894 | Plymouth Township Police Department          | 82 - Wayne County | 190013232   |
| TX19-16205 | Wyandotte Police Department                  | 82 - Wayne County | 19-04442    |
| TX19-16297 | Wayne County Airport Police Department       | 82 - Wayne County | 190035958   |
| TX19-16298 | Wayne County Airport Police Department       | 82 - Wayne County | 190038234   |
| TX19-16299 | Wayne County Airport Police Department       | 82 - Wayne County | 37976-19    |
| TX19-16324 | Taylor Police Department                     | 82 - Wayne County | 190038091   |
| TX19-16398 | Metro South Post                             | 82 - Wayne County | 22-12025-19 |
| TX19-16416 | Brownstown Police Department                 | 82 - Wayne County | 19-22599    |
| TX19-16418 | Brownstown Police Department                 | 82 - Wayne County | 19-22533    |
| TX19-4308  | Southgate Police Department                  | 82 - Wayne County | 2019-01343  |
| TX19-4533  | Plymouth Township Police Department          | 82 - Wayne County | 190003526   |
| TX19-4563  | Grosse Pointe Public Safety Department       | 82 - Wayne County | 19-1123     |
| TX19-4597  | Wyandotte Police Department                  | 82 - Wayne County | 19-01166    |
| TX19-4662  | Grosse Ile Township Police Department        | 82 - Wayne County | 19-1659     |
| TX19-4768  | Dearborn Police Department                   | 82 - Wayne County | 19-19638    |
| TX19-4918  | Dearborn Police Department                   | 82 - Wayne County | 190020349   |
| TX19-5328  | Wayne County Airport Police Department       | 82 - Wayne County | 190010945   |
| TX19-5335  | Inkster Police Department                    | 82 - Wayne County | 19-5123     |
| TX19-5428  | Northville Police Department                 | 82 - Wayne County | 19-2008     |
| TX19-5597  | Southgate Police Department                  | 82 - Wayne County | 2019-01727  |
| TX19-5652  | Metro South Post                             | 82 - Wayne County | 22-4151-19  |
| TX19-5904  | Wayne County Airport Police Department       | 82 - Wayne County | 190012374   |
| TX19-5905  | Harper Woods Police Department               | 82 - Wayne County | 19-7237     |
| TX19-5941  | Inkster Police Department                    | 82 - Wayne County | 19-5518     |
| TX19-6052  | Wayne County Airport Police Department       | 82 - Wayne County | 12771-19    |
| TX19-6053  | Wayne County Airport Police Department       | 82 - Wayne County | 11981-19    |
| TX19-6265  | Westland Police Department                   | 82 - Wayne County | 19-20378    |
| TX19-6350  | Wayne County Airport Police Department       | 82 - Wayne County | 11343-19    |
| TX19-6601  | Huron Township Police Department             | 82 - Wayne County | 1900585     |

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| TX19-6699  | Wyandotte Police Department            | 82 - Wayne County | 19-01731   |
| TX19-6880  | River Rouge Police Department          | 82 - Wayne County | 19-0443    |
| TX19-6891  | DPD - 6th Precinct                     | 82 - Wayne County | 1905250271 |
| TX19-7436  | Plymouth Township Police Department    | 82 - Wayne County | 19-6030    |
| TX19-7443  | Wayne County Airport Police Department | 82 - Wayne County | 15685-19   |
| TX19-7466  | Canton Township Police Department      | 82 - Wayne County | 190021475  |
| TX19-7510  | Wayne County Airport Police Department | 82 - Wayne County | 16073-19   |
| TX19-7511  | Wayne County Airport Police Department | 82 - Wayne County | 15911-19   |
| TX19-7643  | Wayne County Airport Police Department | 82 - Wayne County | 16167-19   |
| TX19-7644  | Wayne County Airport Police Department | 82 - Wayne County | 16283-19   |
| TX19-7969  | Wayne County Airport Police Department | 82 - Wayne County | 16946-19   |
| TX19-8123  | Wayne County Airport Police Department | 82 - Wayne County | 17281-19   |
| TX19-8257  | Wayne County Airport Police Department | 82 - Wayne County | 17633-19   |
| TX19-8611  | Westland Police Department             | 82 - Wayne County | 19-27732   |
| TX19-8626  | Wayne County Airport Police Department | 82 - Wayne County | 18194-19   |
| TX19-8711  | Livonia Police Department              | 82 - Wayne County | 19-31111   |
| TX19-8818  | Wayne County Airport Police Department | 82 - Wayne County | 18603-19   |
| TX19-9198  | Wayne County Airport Police Department | 82 - Wayne County | 19908      |
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| TX19-9670  | Wyandotte Police Department            | 82 - Wayne County | 19-02613   |
| TX19-9773  | Southgate Police Department            | 82 - Wayne County | 2019-03119 |
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| TX20-10570 | Wayne County Airport Police Department | 82 - Wayne County | 200013472  |
| TX20-10571 | Wayne County Airport Police Department | 82 - Wayne County | 20-15943   |
| TX20-10764 | Dearborn Police Department             | 82 - Wayne County | 20-38085   |
| TX20-10897 | Dearborn Police Department             | 82 - Wayne County | 20-41248   |
| TX20-10919 | Livonia Police Department              | 82 - Wayne County | 200022016  |
| TX20-10920 | Livonia Police Department              | 82 - Wayne County | 200022355  |
| TX20-11068 | Romulus Police Department              | 82 - Wayne County | 20-13783   |
| TX20-11274 | Dearborn Police Department             | 82 - Wayne County | 20-42346   |
| TX20-11397 | Metro South Post                       | 82 - Wayne County | 22-6049-20 |
| TX20-11798 | Southgate Police Department            | 82 - Wayne County | 2020-03137 |
| TX20-13021 | Canton Township Police Department      | 82 - Wayne County | 200027247  |
| TX20-13118 | Redford Township Police Department     | 82 - Wayne County | 20-17521   |
| TX20-13256 | Lincoln Park Police Department         | 82 - Wayne County | 2011567    |
| TX20-1332  | Melvindale Police Department           | 82 - Wayne County | 20-515     |
| TX20-13597 | Trenton Police Department              | 82 - Wayne County | 2020-08097 |
| TX20-13624 | Dearborn Police Department             | 82 - Wayne County | 20-47187   |
| TX20-13771 | Plymouth Township Police Department    | 82 - Wayne County | 20-7356    |
| TX20-13889 | Dearborn Police Department             | 82 - Wayne County | 20-51425   |
| TX20-14110 | Metro South Post                       | 82 - Wayne County | 22-7219-20 |
| TX20-14409 | Redford Township Police Department     | 82 - Wayne County | 200019954  |
| TX20-1456  | Dearborn Police Department             | 82 - Wayne County | 20-4216    |
| TX20-14728 | Dearborn Police Department             | 82 - Wayne County | 20-54055   |
| TX20-15197 | Metro South Post                       | 82 - Wayne County | 22-7686-20 |
| TX20-15594 | Grosse Pointe Woods D.P.S.             | 82 - Wayne County | 20-6655    |



|            |                                                  |                   |            |
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| TX20-15667 | Southgate Police Department                      | 82 - Wayne County | 2020-04000 |
| TX20-15940 | Metro South Post                                 | 82 - Wayne County | 22-8042-20 |
| TX20-16297 | Rockwood Police Department                       | 82 - Wayne County | 20-3853    |
| TX20-16520 | Wyandotte Police Department                      | 82 - Wayne County | 20-03111   |
| TX20-16987 | Metro South Post                                 | 82 - Wayne County | 22-8627-20 |
| TX20-17113 | Grosse Pointe Farms Public Safety Department     | 82 - Wayne County | 20-4050    |
| TX20-17199 | Taylor Police Department                         | 82 - Wayne County | 20-29816   |
| TX20-17446 | Metro South Post                                 | 82 - Wayne County | 22-8925-20 |
| TX20-17488 | Grosse Pointe Park Public Safety Department      | 82 - Wayne County | 20-6339    |
| TX20-17557 | Lincoln Park Police Department                   | 82 - Wayne County | 20-14570   |
| TX20-17872 | Rockwood Police Department                       | 82 - Wayne County | 20-4183    |
| TX20-17998 | Southgate Police Department                      | 82 - Wayne County | 20-4646    |
| TX20-18089 | Dearborn Hgts. Police Department                 | 82 - Wayne County | 20-17953   |
| TX20-18543 | Metro South Post                                 | 82 - Wayne County | 22-9720-20 |
| TX20-1978  | DPD - 2nd Precinct                               | 82 - Wayne County | 2002020234 |
| TX20-2221  | Dearborn Police Department                       | 82 - Wayne County | 20-5101    |
| TX20-2234  | Livonia Police Department                        | 82 - Wayne County | 20-4598    |
| TX20-2257  | Livonia Police Department                        | 82 - Wayne County | 20-4422    |
| TX20-2456  | Woodhaven Police Department                      | 82 - Wayne County | 20-2438    |
| TX20-2466  | Dearborn Police Department                       | 82 - Wayne County | 20-7155    |
| TX20-2565  | Plymouth Township Police Department              | 82 - Wayne County | 20-1696    |
| TX20-2601  | Dearborn Hgts. Police Department                 | 82 - Wayne County | 20-2189    |
| TX20-2822  | Taylor Police Department                         | 82 - Wayne County | 20-4189    |
| TX20-2857  | Lincoln Park Police Department                   | 82 - Wayne County | 20-02286   |
| TX20-2897  | Southgate Police Department                      | 82 - Wayne County | 2020-636   |
| TX20-3075  | Redford Township Police Department               | 82 - Wayne County | 200003923  |
| TX20-3207  | Livonia Police Department                        | 82 - Wayne County | 20-7925    |
| TX20-3331  | Metro South Post                                 | 82 - Wayne County | 22-1909-20 |
| TX20-3358  | Grosse Pointe Woods D.P.S.                       | 82 - Wayne County | 5067-20    |
| TX20-3430  | Westland Police Department                       | 82 - Wayne County | 200010105  |
| TX20-356   | Dearborn Police Department                       | 82 - Wayne County | 20-168     |
| TX20-3762  | Wayne County Airport Police Department           | 82 - Wayne County | Not Given  |
| TX20-3763  | Wayne County Airport Police Department           | 82 - Wayne County | 417-2020   |
| TX20-3765  | Wayne County Airport Police Department           | 82 - Wayne County | 877-20     |
| TX20-3766  | Wayne County Airport Police Department           | 82 - Wayne County | 1687-20    |
| TX20-3768  | Wayne County Airport Police Department           | 82 - Wayne County | 330-20     |
| TX20-3927  | Canton Township Police Department                | 82 - Wayne County | 200010410  |
| TX20-3933  | Dearborn Police Department                       | 82 - Wayne County | 20-11298   |
| TX20-3991  | Grosse Pointe Park Public Safety Department      | 82 - Wayne County | 20-2004    |
| TX20-4554  | Plymouth Police Department                       | 82 - Wayne County | 20-2654    |
| TX20-5513  | Grosse Pointe Farms Public Safety Department     | 82 - Wayne County | 20-1344    |
| TX20-56    | Dearborn Police Department                       | 82 - Wayne County | 19-71996   |
| TX20-5781  | Wayne County Airport Police Department           | 82 - Wayne County | 200011051  |
| TX20-5812  | Grosse Pointe Park Public Safety Department      | 82 - Wayne County | 20-2387    |
| TX20-5912  | Grosse Pointe Shores Department of Public Safety | 82 - Wayne County | 20-0725    |
| TX20-6020  | Canton Township Police Department                | 82 - Wayne County | 200014403  |
| TX20-6181  | Redford Township Police Department               | 82 - Wayne County | 200008757  |
| TX20-6379  | Redford Township Police Department               | 82 - Wayne County | 20-8660    |
| TX20-6551  | Lincoln Park Police Department                   | 82 - Wayne County | 20-06164   |

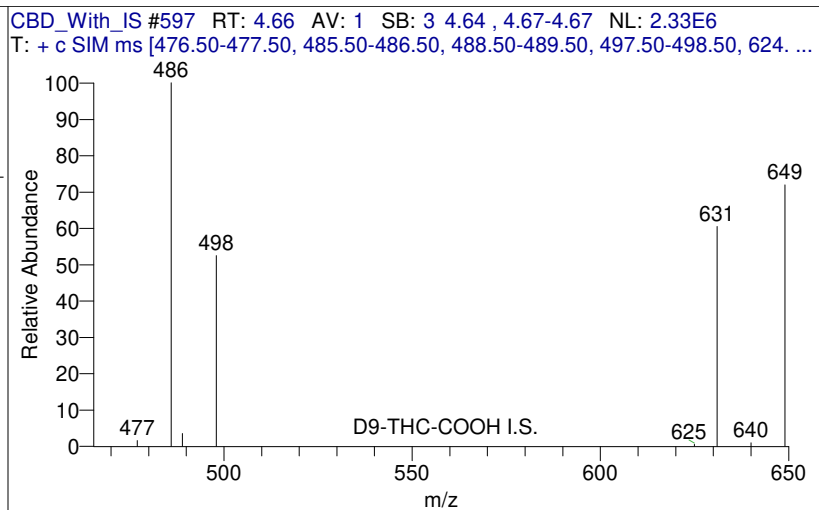
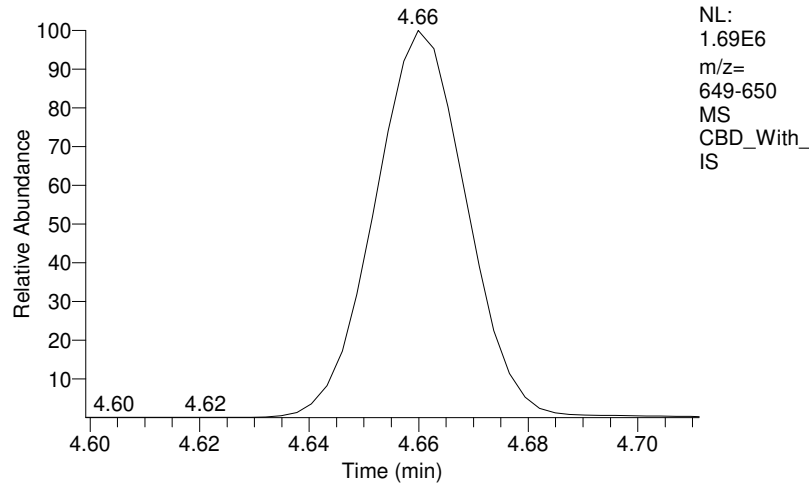
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| TX20-6634  | Grosse Pointe Shores Department of Public Safety | 82 - Wayne County | 20-0863     |
| TX20-6885  | Belleville Police Department                     | 82 - Wayne County | 20-0971     |
| TX20-7024  | Taylor Police Department                         | 82 - Wayne County | 20-15487    |
| TX20-7363  | Wayne County Airport Police Department           | 82 - Wayne County | 13056-20    |
| TX20-756   | Dearborn Police Department                       | 82 - Wayne County | 20-544      |
| TX20-7578  | Wyandotte Police Department                      | 82 - Wayne County | 20-01486    |
| TX20-7966  | Wayne Police Department                          | 82 - Wayne County | 200007063   |
| TX20-8144  | Livonia Police Department                        | 82 - Wayne County | 20-16471    |
| TX20-82    | Hamtramck Police Department                      | 82 - Wayne County | 190011116   |
| TX20-8522  | Canton Township Police Department                | 82 - Wayne County | 200018695   |
| TX20-8590  | Wayne State University Police Department         | 82 - Wayne County | 200623-0038 |
| TX20-8663  | Southgate Police Department                      | 82 - Wayne County | 2020-02176  |
| TX20-888   | DPD - Headquarters                               | 82 - Wayne County | 200114-0045 |
| TX20-894   | Dearborn Police Department                       | 82 - Wayne County | 20-1412     |
| TX20-8994  | DPD - Precinct #9                                | 82 - Wayne County | 2003280200  |
| TX20-91    | Lincoln Park Police Department                   | 82 - Wayne County | 19-18426    |
| TX20-9331  | Dearborn Police Department                       | 82 - Wayne County | 20-36568    |
| TX20-9389  | Canton Township Police Department                | 82 - Wayne County | 200020111   |
| TX20-9501  | Grosse Pointe Farms Public Safety Department     | 82 - Wayne County | 20-2301     |
| TX20-9652  | Brownstown Police Department                     | 82 - Wayne County | 20-12984    |
| TX20-9960  | Wayne State University Police Department         | 82 - Wayne County | 2007170010  |
| TX20-9971  | DPD - 6th Precinct                               | 82 - Wayne County | 2006110354  |
| TX21-10213 | Wayne Police Department                          | 82 - Wayne County | 210008343   |
| TX21-10231 | Allen Park Police Department                     | 82 - Wayne County | 2021-4034   |
| TX21-10385 | Canton Township Police Department                | 82 - Wayne County | 210022880   |
| TX21-10647 | Redford Township Police Department               | 82 - Wayne County | 210014353   |
| TX21-11078 | Rockwood Police Department                       | 82 - Wayne County | 21-2846     |
| TX21-11120 | Redford Township Police Department               | 82 - Wayne County | 21-0015318  |
| TX21-11315 | Grosse Pointe Farms Public Safety Department     | 82 - Wayne County | 21-2405     |
| TX21-12278 | Canton Township Police Department                | 82 - Wayne County | 210026712   |
| TX21-1268  | Westland Police Department                       | 82 - Wayne County | 21-2101     |
| TX21-13117 | Romulus Police Department                        | 82 - Wayne County | 210013148   |
| TX21-13219 | Grosse Pointe Public Safety Department           | 82 - Wayne County | 21-2391     |
| TX21-13305 | Westland Police Department                       | 82 - Wayne County | 21-36231    |
| TX21-1349  | Livonia Police Department                        | 82 - Wayne County | 21-771      |
| TX21-13860 | Dearborn Police Department                       | 82 - Wayne County | 21-49164    |
| TX21-1420  | Metro South Post                                 | 82 - Wayne County | 22-628-21   |
| TX21-14254 | Canton Township Police Department                | 82 - Wayne County | 210030851   |
| TX21-14378 | Grosse Pointe Public Safety Department           | 82 - Wayne County | 21-2576     |
| TX21-14485 | Wayne Police Department                          | 82 - Wayne County | 210011700   |
| TX21-14653 | Belleville Police Department                     | 82 - Wayne County | 210002326   |
| TX21-14706 | Westland Police Department                       | 82 - Wayne County | 21-39886    |
| TX21-14910 | Plymouth Township Police Department              | 82 - Wayne County | 21-7366     |
| TX21-15287 | Huron Township Police Department                 | 82 - Wayne County | 21-0018297  |
| TX21-15386 | Dearborn Police Department                       | 82 - Wayne County | 21-55519    |
| TX21-1573  | Wayne State University Police Department         | 82 - Wayne County | 2101270254  |
| TX21-15757 | Huron Township Police Department                 | 82 - Wayne County | 21-0019483  |
| TX21-1602  | Dearborn Police Department                       | 82 - Wayne County | 21-2421     |
| TX21-16059 | Redford Township Police Department               | 82 - Wayne County | 210020927   |

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| TX21-1630  | Taylor Police Department                         | 82 - Wayne County | 21-2106     |
| TX21-16715 | Westland Police Department                       | 82 - Wayne County | 21-44995    |
| TX21-16989 | Grosse Pointe Shores Department of Public Safety | 82 - Wayne County | 21-2372     |
| TX21-17081 | DPD - 8th Precinct                               | 82 - Wayne County | 2110020034  |
| TX21-17290 | Dearborn Hgts. Police Department                 | 82 - Wayne County | 21-18126    |
| TX21-17674 | Westland Police Department                       | 82 - Wayne County | 210048198   |
| TX21-17709 | Wayne County Airport Police Department           | 82 - Wayne County | 210027621   |
| TX21-1796  | Wayne State University Police Department         | 82 - Wayne County | 2102020315  |
| TX21-18422 | Southgate Police Department                      | 82 - Wayne County | 2021-12188  |
| TX21-18696 | Southgate Police Department                      | 82 - Wayne County | 2021-12452  |
| TX21-18826 | Van Buren Township Police Department             | 82 - Wayne County | 210012724   |
| TX21-18976 | Canton Township Police Department                | 82 - Wayne County | 210042345   |
| TX21-19743 | Belleville Police Department                     | 82 - Wayne County | 21-3444     |
| TX21-19838 | Dearborn Hgts. Police Department                 | 82 - Wayne County | 21-21049    |
| TX21-19971 | Wayne County Airport Police Department           | 82 - Wayne County | 210033938   |
| TX21-2182  | Hamtramck Police Department                      | 82 - Wayne County | 21-1048     |
| TX21-2348  | Westland Police Department                       | 82 - Wayne County | 21-6141     |
| TX21-2552  | DPD - Precinct #9                                | 82 - Wayne County | 2102070135  |
| TX21-3129  | Canton Township Police Department                | 82 - Wayne County | 21-6929     |
| TX21-3551  | Metro South Post                                 | 82 - Wayne County | 22-1556-21  |
| TX21-3665  | Canton Township Police Department                | 82 - Wayne County | 210008047   |
| TX21-3747  | Grosse Pointe Park Public Safety Department      | 82 - Wayne County | 21-1440     |
| TX21-3852  | DPD - Headquarters                               | 82 - Wayne County | 2103090028  |
| TX21-405   | Livonia Police Department                        | 82 - Wayne County | 21-236      |
| TX21-4067  | Plymouth Township Police Department              | 82 - Wayne County | 21-1947     |
| TX21-4253  | Westland Police Department                       | 82 - Wayne County | 21-12452    |
| TX21-4345  | Trenton Police Department                        | 82 - Wayne County | 2021-02887  |
| TX21-4793  | Grosse Pointe Woods D.P.S.                       | 82 - Wayne County | 21-1719     |
| TX21-4849  | Allen Park Police Department                     | 82 - Wayne County | 2021-00610  |
| TX21-4993  | DPD - Headquarters                               | 82 - Wayne County | 2103160051  |
| TX21-5227  | Westland Police Department                       | 82 - Wayne County | 210014378   |
| TX21-5228  | Westland Police Department                       | 82 - Wayne County | 210014375   |
| TX21-5437  | Canton Township Police Department                | 82 - Wayne County | 210011065   |
| TX21-5511  | Dearborn Police Department                       | 82 - Wayne County | 21-16658    |
| TX21-5846  | Livonia Police Department                        | 82 - Wayne County | 21-10872    |
| TX21-5900  | Grosse Pointe Park Public Safety Department      | 82 - Wayne County | 21-2240     |
| TX21-64    | Dearborn Police Department                       | 82 - Wayne County | 20-67465    |
| TX21-6644  | Livonia Police Department                        | 82 - Wayne County | 21-12431    |
| TX21-6770  | Dearborn Hgts. Police Department                 | 82 - Wayne County | 21-6414     |
| TX21-7113  | Harper Woods Police Department                   | 82 - Wayne County | 19-13964    |
| TX21-7322  | DPD- 10th Precinct                               | 82 - Wayne County | 210430-0052 |
| TX21-7604  | Plymouth Township Police Department              | 82 - Wayne County | 21-3699     |
| TX21-8373  | Wayne County Airport Police Department           | 82 - Wayne County | 210013680   |
| TX21-8683  | Grosse Pointe Public Safety Department           | 82 - Wayne County | 1597-21     |
| TX21-8914  | Dearborn Police Department                       | 82 - Wayne County | 21-30483    |
| TX21-9017  | DPD - Fatal Squad                                | 82 - Wayne County | 2106090027  |
| TX21-9059  | DPD - Southwestern District                      | 82 - Wayne County | 2105290021  |
| TX21-9154  | Brownstown Police Department                     | 82 - Wayne County | 21-10497    |
| TX21-9805  | Canton Township Police Department                | 82 - Wayne County | 21-21659    |

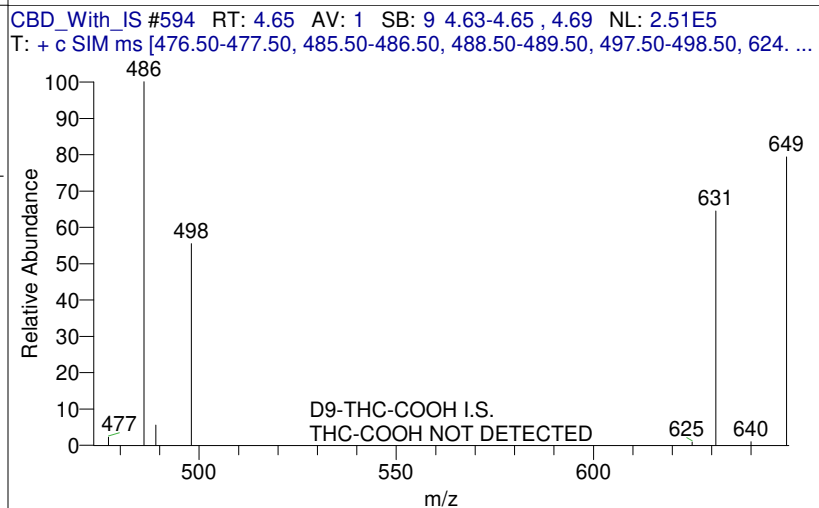
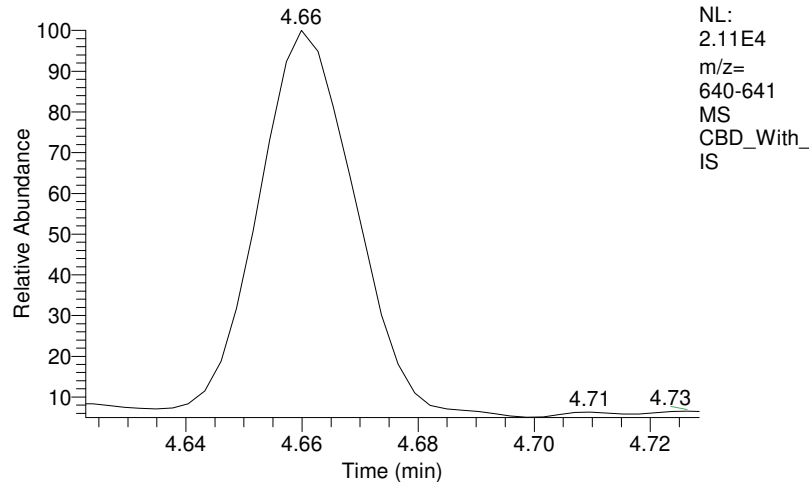
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| TX21-9981  | Livonia Police Department                        | 82 - Wayne County   | 21-19302   |
| TX22-1160  | Van Buren Township Police Department             | 82 - Wayne County   | 220000798  |
| TX22-1510  | Redford Township Police Department               | 82 - Wayne County   | 22-0001522 |
| TX22-1610  | Grosse Pointe Shores Department of Public Safety | 82 - Wayne County   | 22-0172    |
| TX22-2243  | Garden City Police Department                    | 82 - Wayne County   | 220002218  |
| TX22-2390  | Hamtramck Police Department                      | 82 - Wayne County   | 220000892  |
| TX22-2761  | Riverview Police Department                      | 82 - Wayne County   | 22-1530    |
| TX22-3213  | Metro South Post                                 | 82 - Wayne County   | 22-2168-22 |
| TX22-3461  | Livonia Police Department                        | 82 - Wayne County   | 22-7774    |
| TX22-3554  | Dearborn Hgts. Police Department                 | 82 - Wayne County   | 22-3500    |
| TX22-3633  | Livonia Police Department                        | 82 - Wayne County   | 22-8108    |
| TX22-3754  | Plymouth Township Police Department              | 82 - Wayne County   | 22-2218    |
| TX22-4609  | Plymouth Township Police Department              | 82 - Wayne County   | 22-2721    |
| TX22-4942  | Canton Township Police Department                | 82 - Wayne County   | 220012103  |
| TX22-5405  | Romulus Police Department                        | 82 - Wayne County   | 220004952  |
| TX22-541   | Canton Township Police Department                | 82 - Wayne County   | 220000488  |
| TX22-5869  | Metro South Post                                 | 82 - Wayne County   | 22-3720-22 |
| TX22-6181  | DPD - 3rd Precinct                               | 82 - Wayne County   | 2204180281 |
| TX22-6225  | Canton Township Police Department                | 82 - Wayne County   | 220014883  |
| TX22-6257  | Westland Police Department                       | 82 - Wayne County   | 22-17672   |
| TX22-6312  | Canton Township Police Department                | 82 - Wayne County   | 22-15701   |
| TX22-6427  | Grosse Pointe Shores Department of Public Safety | 82 - Wayne County   | 22-876     |
| TX22-7052  | Metro South Post                                 | 82 - Wayne County   | 22-4531-22 |
| TX22-7148  | DPD - Headquarters                               | 82 - Wayne County   | 2205140015 |
| TX22-7361  | Van Buren Township Police Department             | 82 - Wayne County   | 220005102  |
| TX22-8137  | Sumpter Township Police Department               | 82 - Wayne County   | 220006506  |
| TX19-10241 | Cadillac Post                                    | 83 - Wexford County | 71-3769-19 |
| TX19-14957 | Cadillac Post                                    | 83 - Wexford County | 71-5677-19 |
| TX19-15936 | Houghton County Sheriff Department               | 83 - Wexford County | 31-2804-19 |
| TX19-6012  | Cadillac Police Department                       | 83 - Wexford County | 19-1044    |
| TX20-17124 | Cadillac Post                                    | 83 - Wexford County | 71-4866-20 |
| TX20-3008  | Cadillac Post                                    | 83 - Wexford County | 71-801-20  |
| TX20-8188  | Cadillac Post                                    | 83 - Wexford County | 71-2573-20 |
| TX21-18175 | Cadillac Post                                    | 83 - Wexford County | 71-4542-21 |
| TX21-8826  | Cadillac Post                                    | 83 - Wexford County | 71-1766-21 |
| TX19-10557 | Tri-City Post                                    | 9 - Bay County      | 31-6239-19 |
| TX19-10648 | Bay County Sheriff Department                    | 9 - Bay County      | 1910903392 |
| TX19-14036 | Tri-City Post                                    | 9 - Bay County      | 31-7897-19 |
| TX19-14940 | Tri-City Post                                    | 9 - Bay County      | 31-8516-19 |
| TX19-16084 | Tri-City Post                                    | 9 - Bay County      | 31-9066-19 |
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| TX19-4162  | Tri-City Post                                    | 9 - Bay County      | 31-2505-19 |
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| TX19-8230  | Bay County Sheriff Department                    | 9 - Bay County      | 1910902644 |
| TX20-14455 | Bay City Police Department                       | 9 - Bay County      | 20-002979  |
| TX20-17009 | Bay County Sheriff Department                    | 9 - Bay County      | 20-003901  |
| TX20-17495 | Bay City Police Department                       | 9 - Bay County      | 20-003751  |

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| TX20-2447  | Tri-City Post                 | 9 - Bay County | 31-967-20  |
| TX20-2828  | Tri-City Post                 | 9 - Bay County | 31-1088-20 |
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| TX20-4082  | Tri-City Post                 | 9 - Bay County | 31-1623-20 |
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| TX20-4373  | Bay City Police Department    | 9 - Bay County | 20-001055  |
| TX20-5363  | Bay County Sheriff Department | 9 - Bay County | 20-1378    |
| TX20-5888  | Tri-City Post                 | 9 - Bay County | 31-2787-20 |
| TX20-6237  | Tri-City Post                 | 9 - Bay County | 31-2944-20 |
| TX20-6670  | Tri-City Post                 | 9 - Bay County | 31-3127-20 |
| TX20-742   | Bay County Sheriff Department | 9 - Bay County | 2010900143 |
| TX20-7583  | Bay County Sheriff Department | 9 - Bay County | 20-001923  |
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| TX21-14791 | Bay City Police Department    | 9 - Bay County | 21-02689   |
| TX21-1964  | Essexville Police Department  | 9 - Bay County | 21-000024  |
| TX21-19813 | Tri-City Post                 | 9 - Bay County | 31-7763-21 |
| TX21-220   | Tri-City Post                 | 9 - Bay County | 31-7844-20 |
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| TX21-4161  | Bay City Police Department    | 9 - Bay County | 21-00810   |
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| TX21-4613  | Tri-City Post                 | 9 - Bay County | 31-1733-21 |
| TX21-5030  | Tri-City Post                 | 9 - Bay County | 31-1822-21 |
| TX21-7918  | Tri-City Post                 | 9 - Bay County | 31-2788-21 |
| TX21-954   | Bay City Police Department    | 9 - Bay County | 20-004180  |
| TX22-1436  | Tri-City Post                 | 9 - Bay County | 31-455-22  |
| TX22-4248  | Bay City Police Department    | 9 - Bay County | 22-000692  |
| TX22-7392  | Bay County Sheriff Department | 9 - Bay County | 22-1781    |

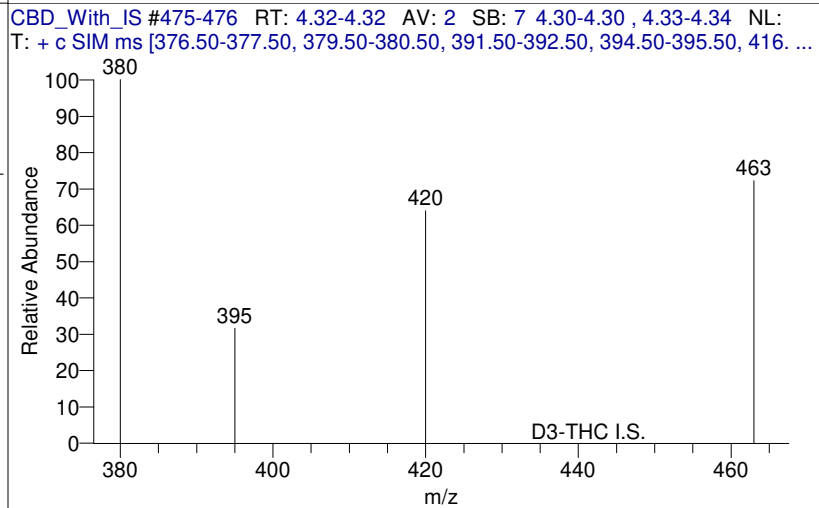
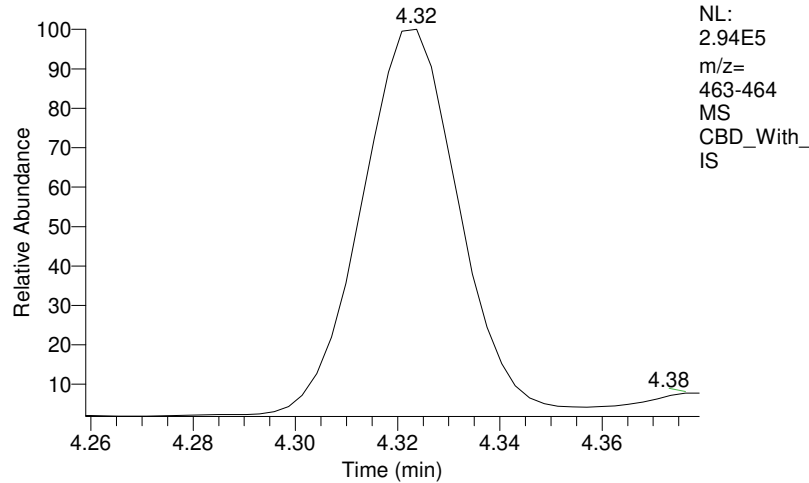
RT: 4.60 - 4.71 SM: 9G



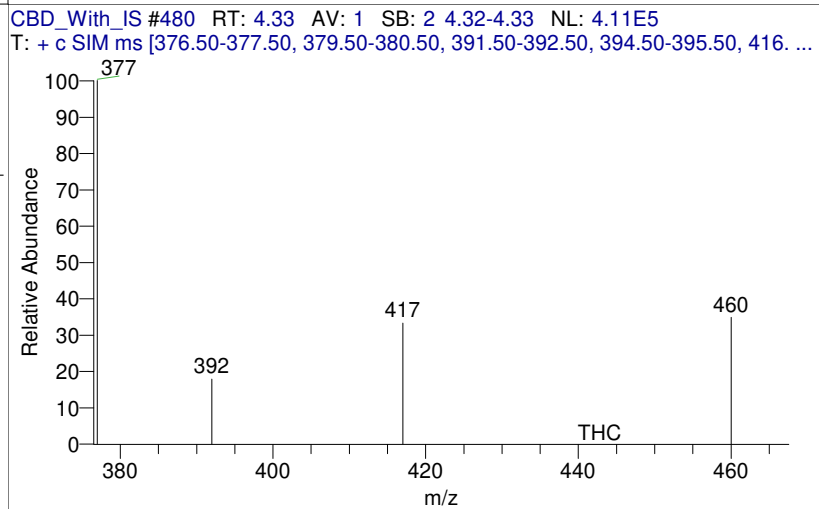
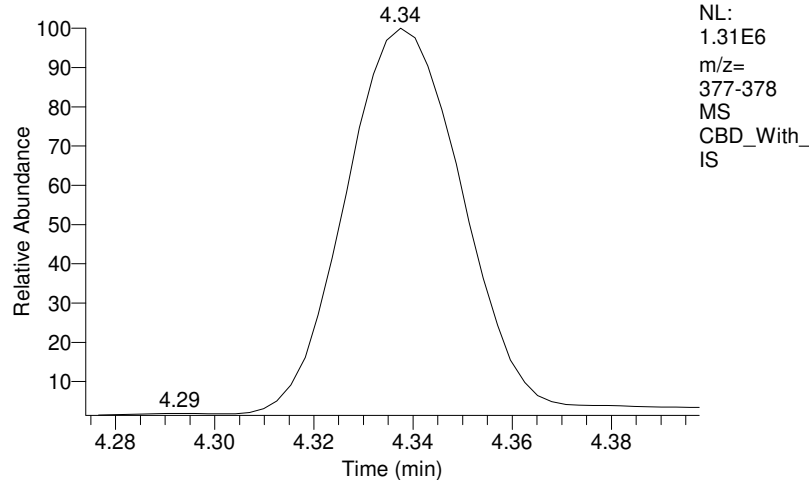
RT: 4.62 - 4.73 SM: 9G



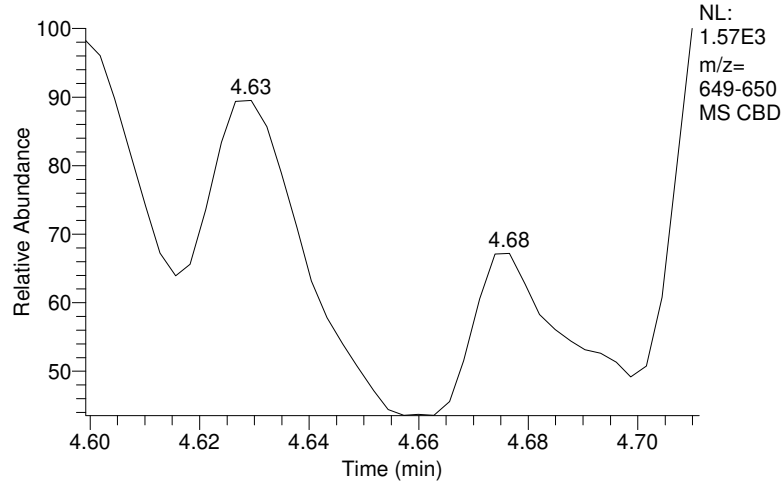
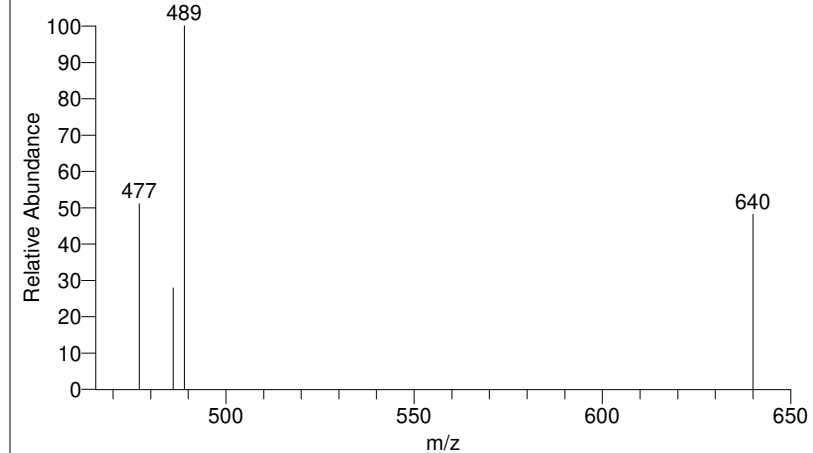
RT: 4.26 - 4.38 SM: 9G



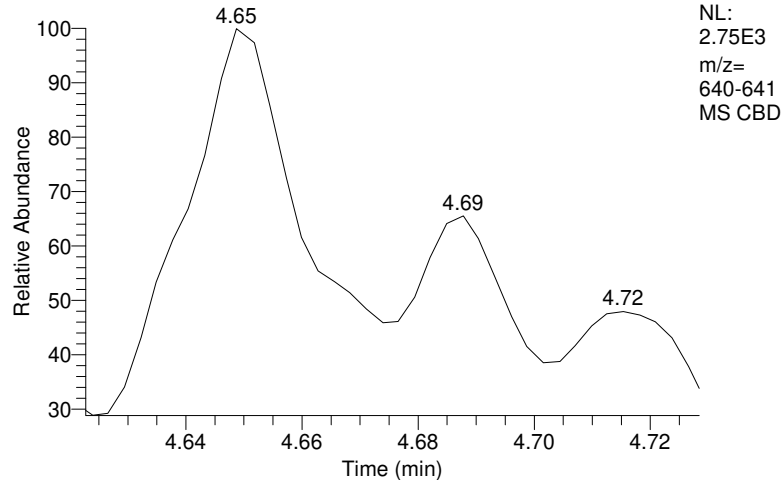
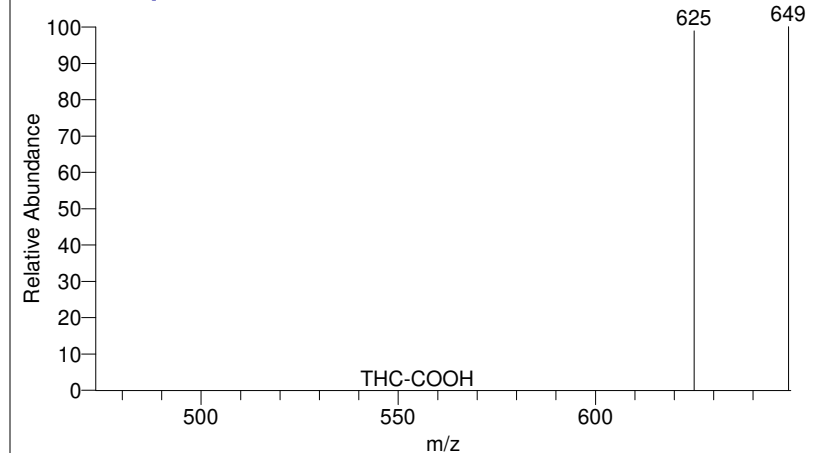
RT: 4.27 - 4.40 SM: 9G



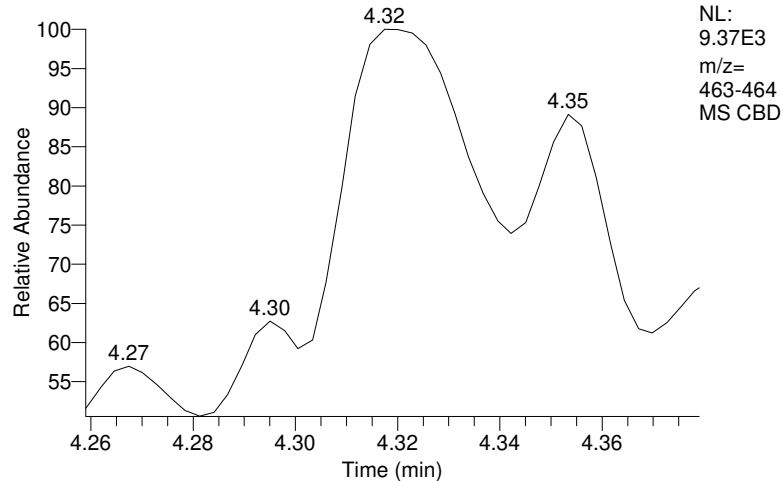
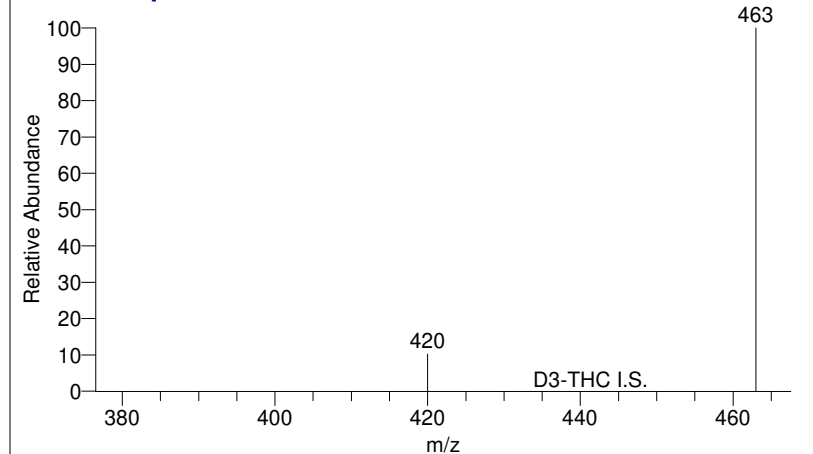
RT: 4.60 - 4.71 SM: 9G

CBD #597 RT: 4.66 AV: 1 SB: 3 4.64, 4.67-4.67 NL: 2.09E3  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

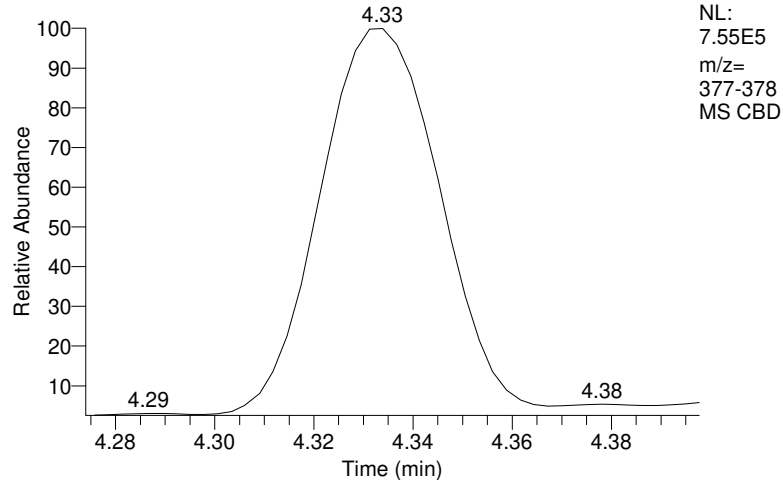
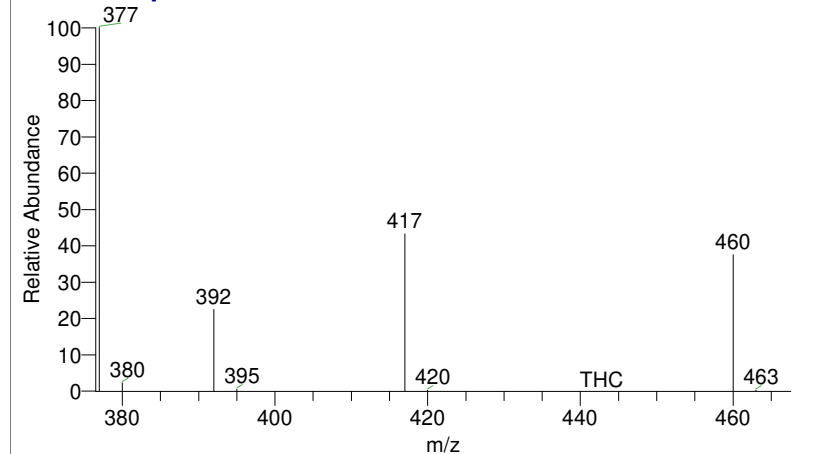
RT: 4.62 - 4.73 SM: 9G

CBD #604 RT: 4.68 AV: 1 SB: 9 4.63-4.65, 4.69 NL: 3.32E2  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

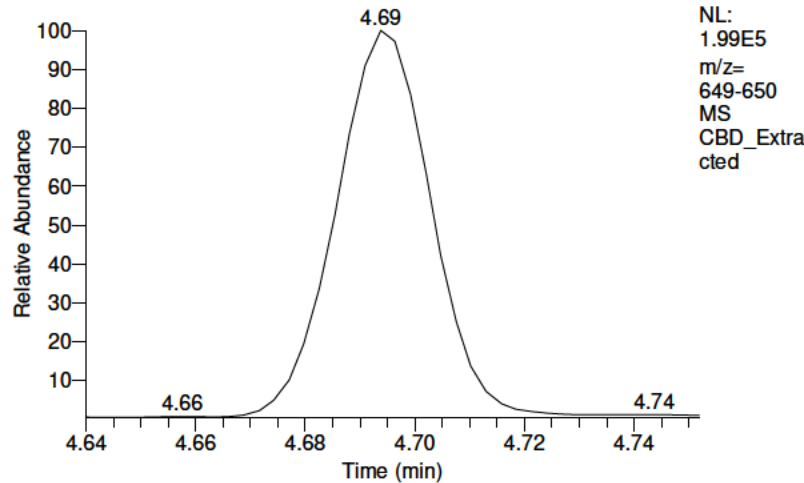
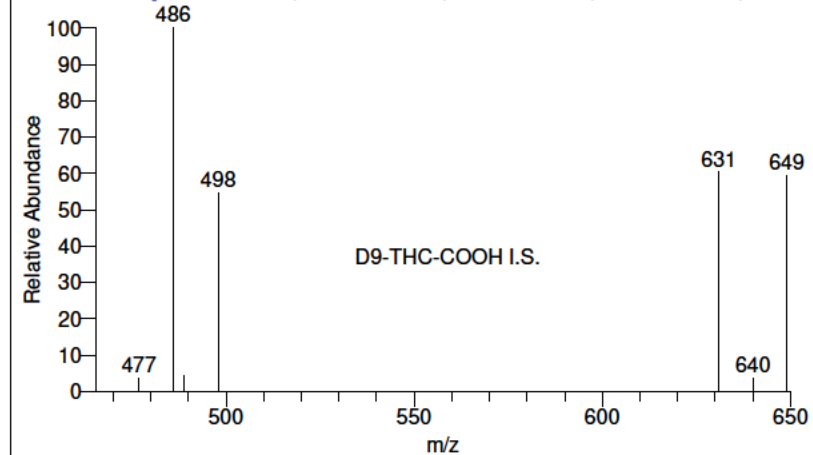
RT: 4.26 - 4.38 SM: 9G

CBD #475 RT: 4.31 AV: 1 SB: 7 4.30-4.30, 4.33-4.34 NL: 3.38E3  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

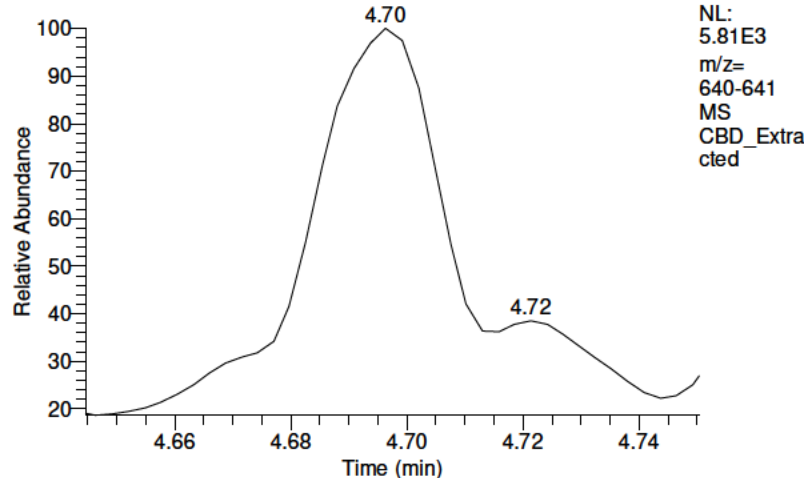
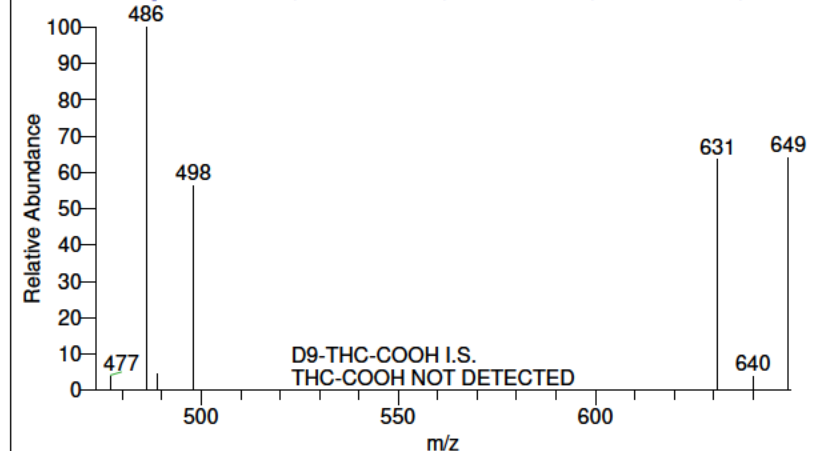
RT: 4.27 - 4.40 SM: 9G

CBD #480 RT: 4.33 AV: 1 SB: 13 4.31-4.32, 4.34-4.36 NL: 5.39E5  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

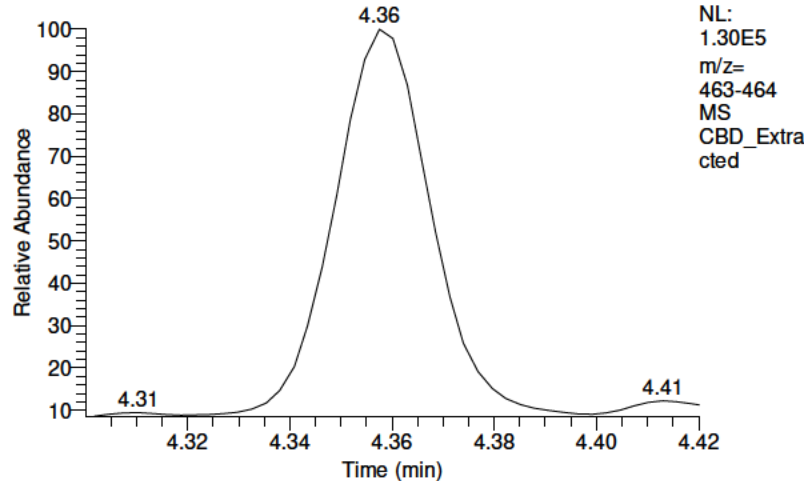
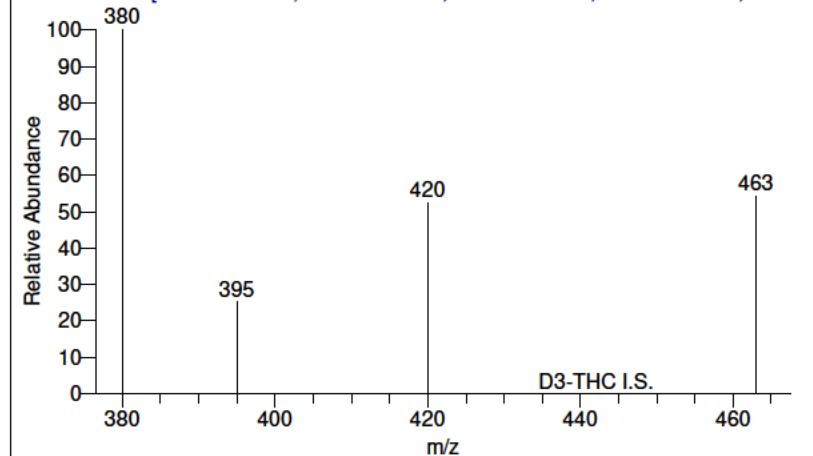
RT: 4.64 - 4.75 SM: 9G

CBD\_Extracted #607 RT: 4.69 AV: 1 SB: 2 4.68, 4.71 NL: 1.43E5  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

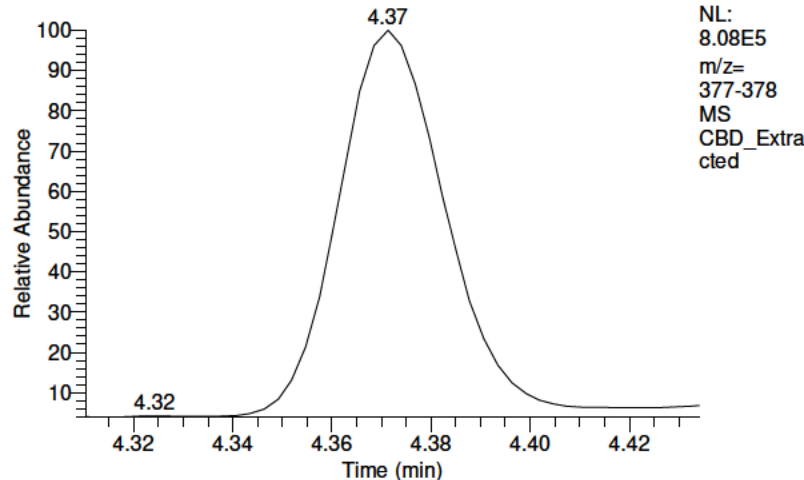
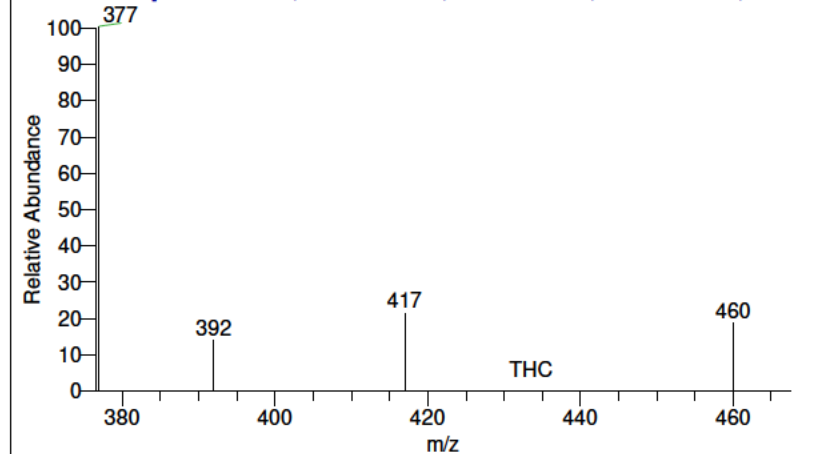
RT: 4.64 - 4.75 SM: 9G

CBD\_Extracted #607 RT: 4.69 AV: 1 SB: 3 4.68, 4.71-4.71 NL: 1.30E5  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.30 - 4.42 SM: 9G

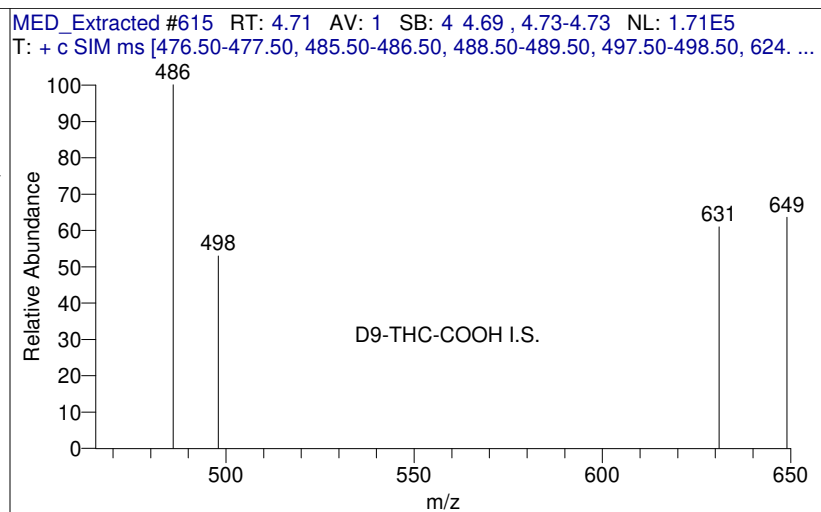
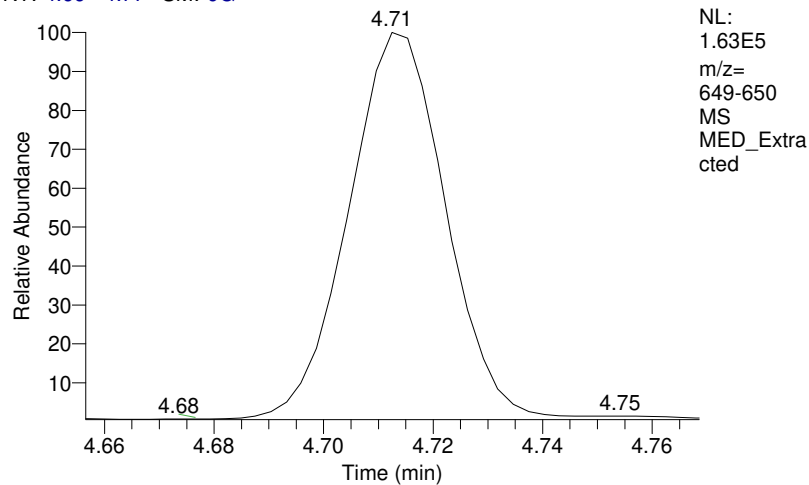
CBD\_Extracted #487 RT: 4.35 AV: 1 SB: 6 4.34-4.34, 4.38-4.38 NL: 1.05E5  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.31 - 4.43 SM: 9G

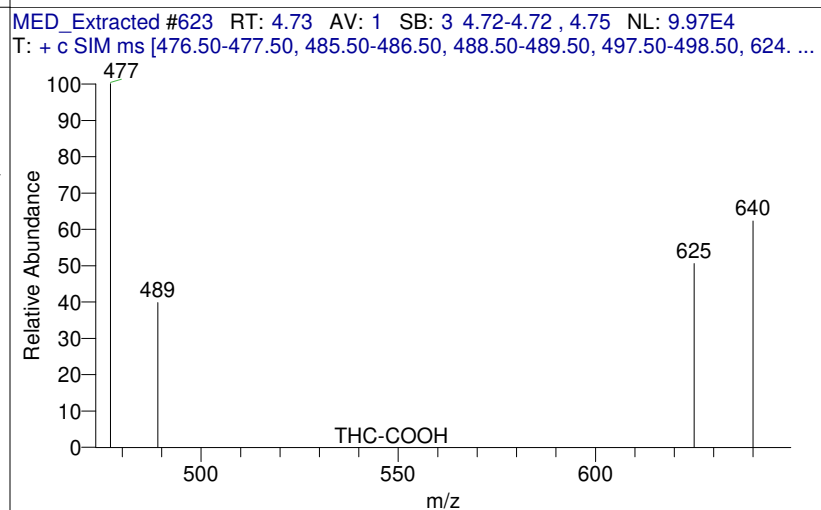
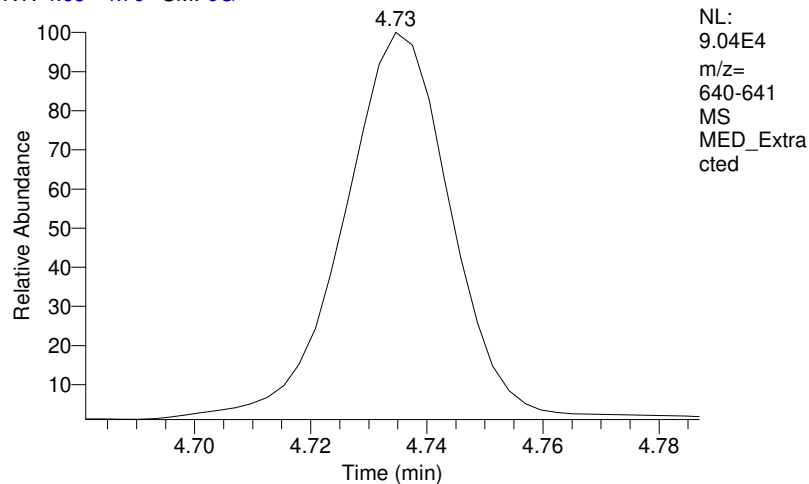
CBD\_Extracted #496-497 RT: 4.37-4.38 AV: 2 SB: 2 4.35, 4.40 NL: 7.28E5  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...



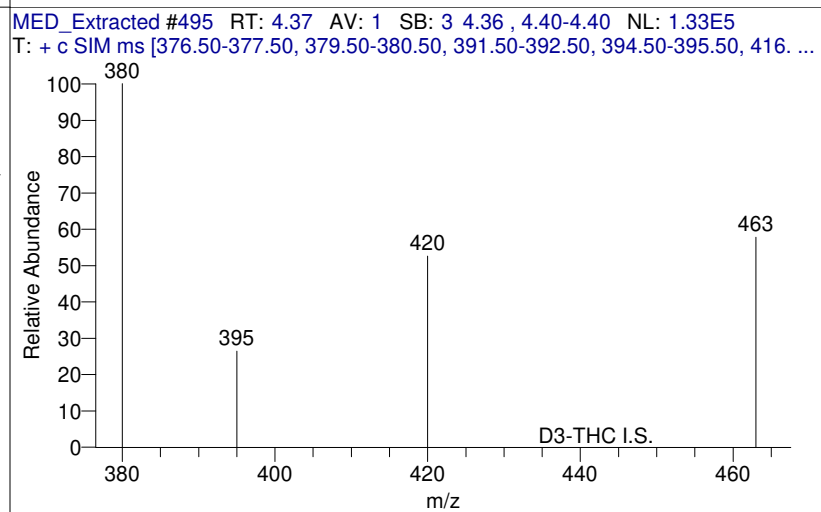
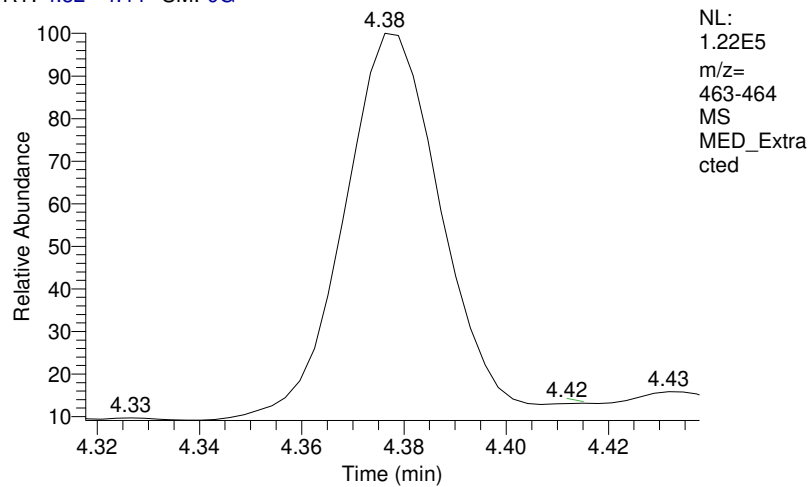
RT: 4.66 - 4.77 SM: 9G



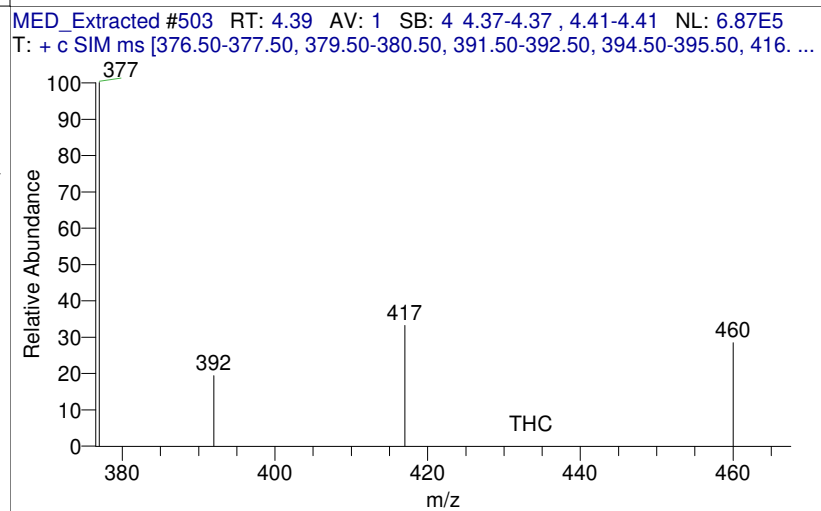
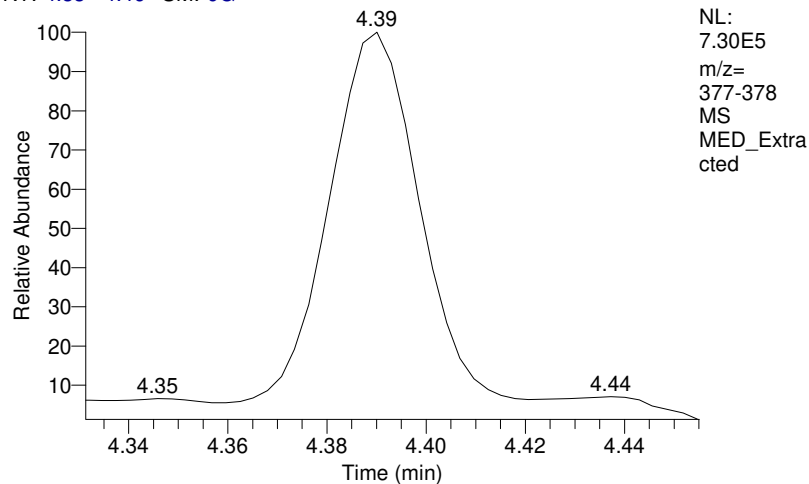
RT: 4.68 - 4.79 SM: 9G



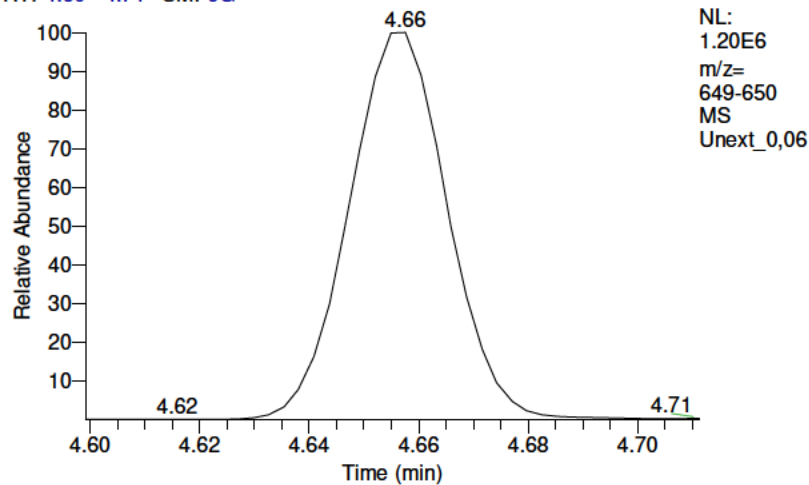
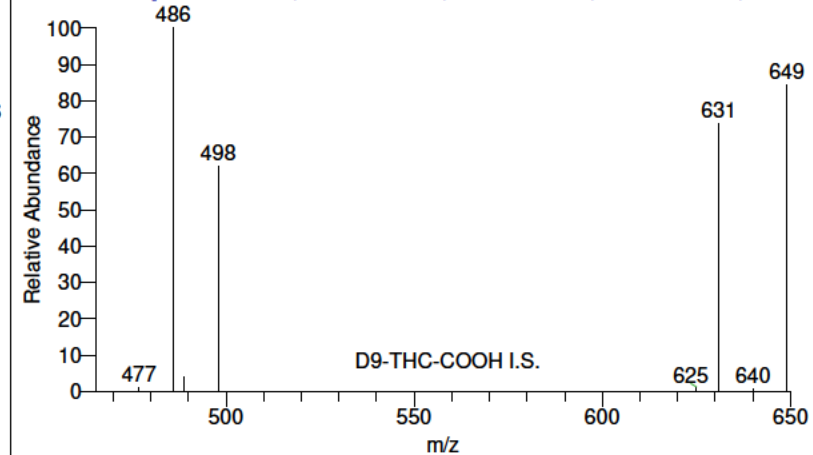
RT: 4.32 - 4.44 SM: 9G



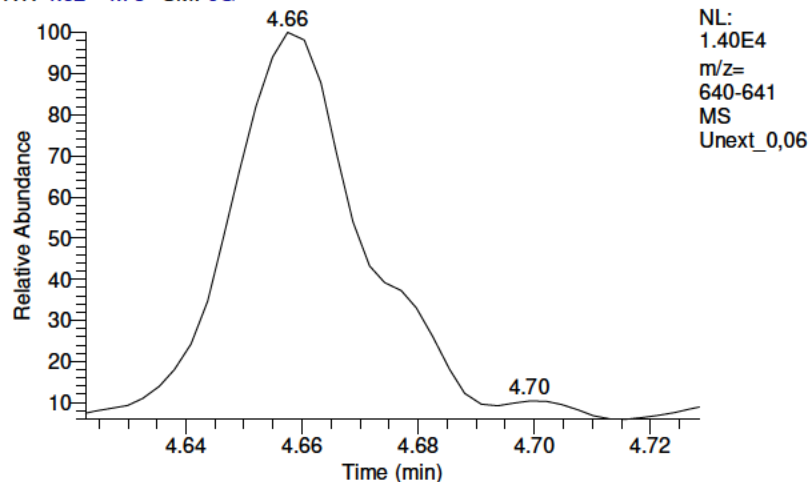
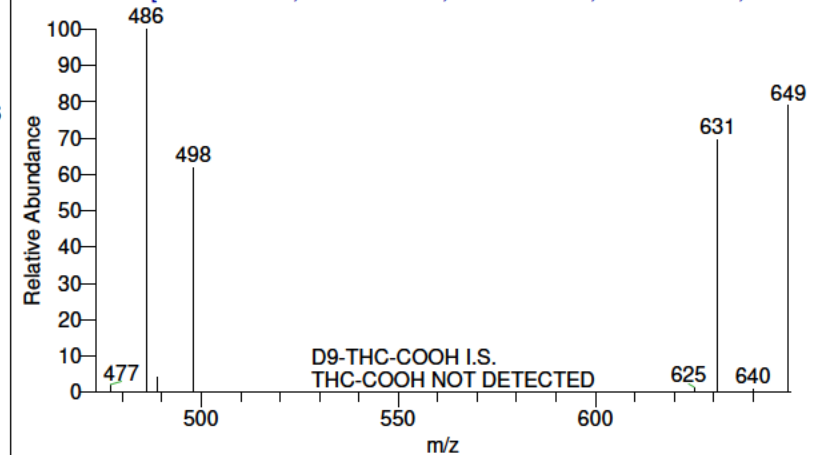
RT: 4.33 - 4.46 SM: 9G



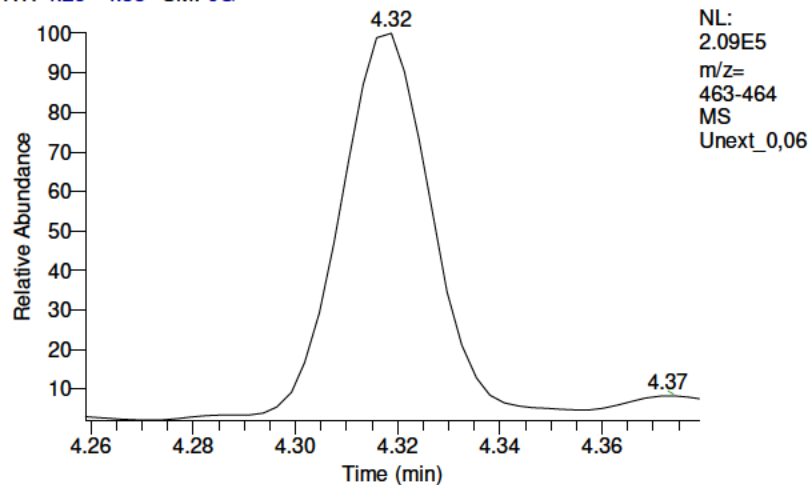
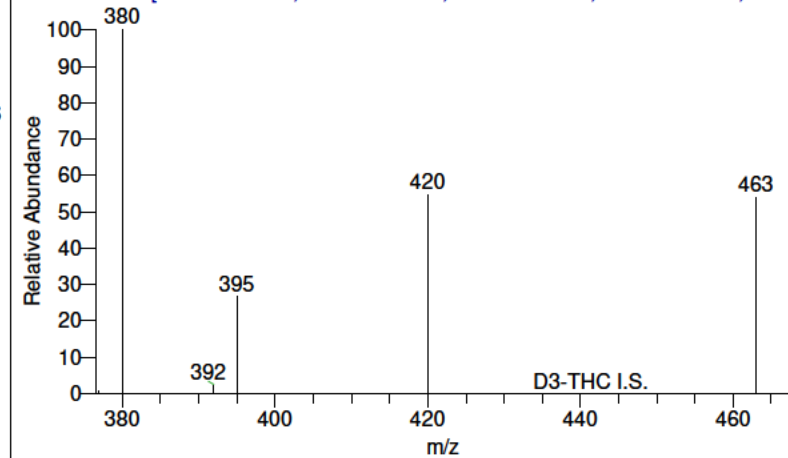
RT: 4.60 - 4.71 SM: 9G

Unext\_0,06 #594 RT: 4.65 AV: 1 SB: 3 4.64, 4.67-4.67 NL: 9.20E5  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

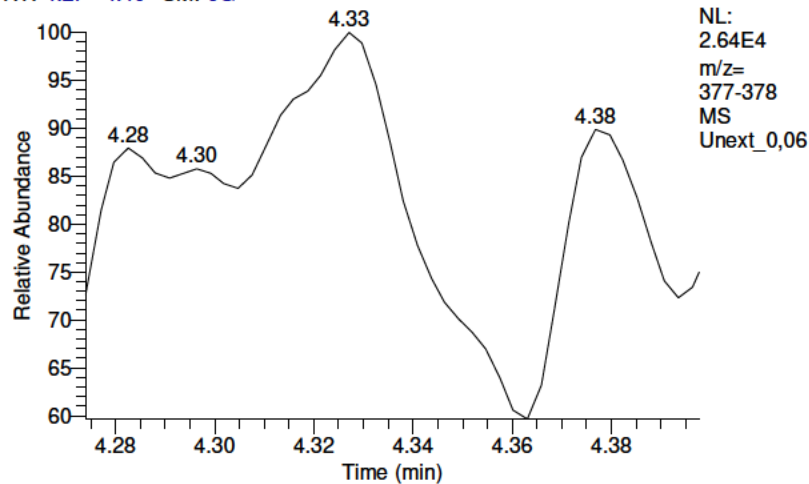
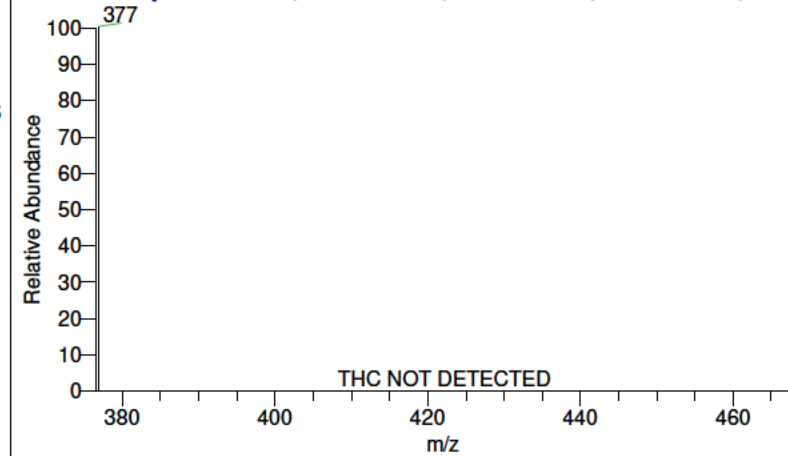
RT: 4.62 - 4.73 SM: 9G

Unext\_0,06 #594 RT: 4.65 AV: 1 SB: 9 4.63-4.65, 4.69 NL: 6.61E5  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

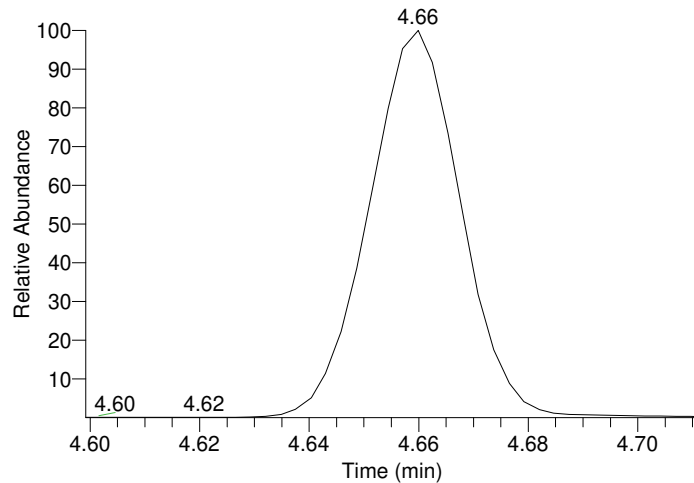
RT: 4.26 - 4.38 SM: 9G

Unext\_0,06 #475 RT: 4.32 AV: 1 SB: 7 4.30-4.30, 4.33-4.34 NL: 4.24E5  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.27 - 4.40 SM: 9G

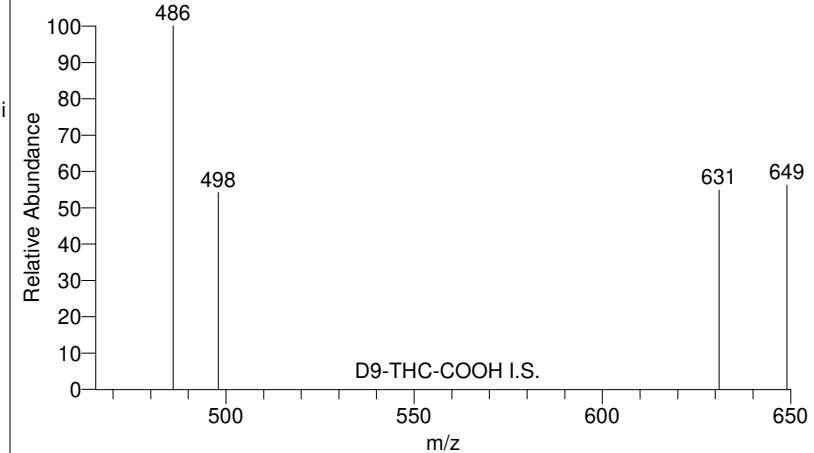
Unext\_0,06 #479 RT: 4.33 AV: 1 SB: 2 4.32-4.33 NL: 4.63E2  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.60 - 4.71 SM: 9G

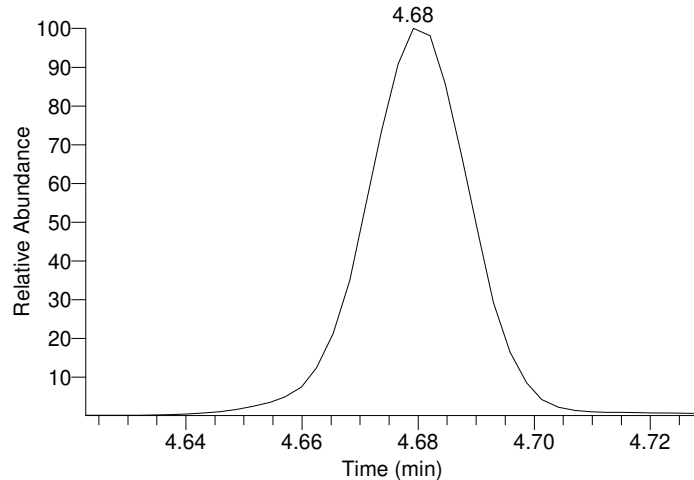


NL:  
1.48E6  
m/z=  
649-650  
MS  
Unext\_Medi  
um

Unext\_Medium #597 RT: 4.66 AV: 1 SB: 3 4.64, 4.67-4.67 NL: 2.62E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

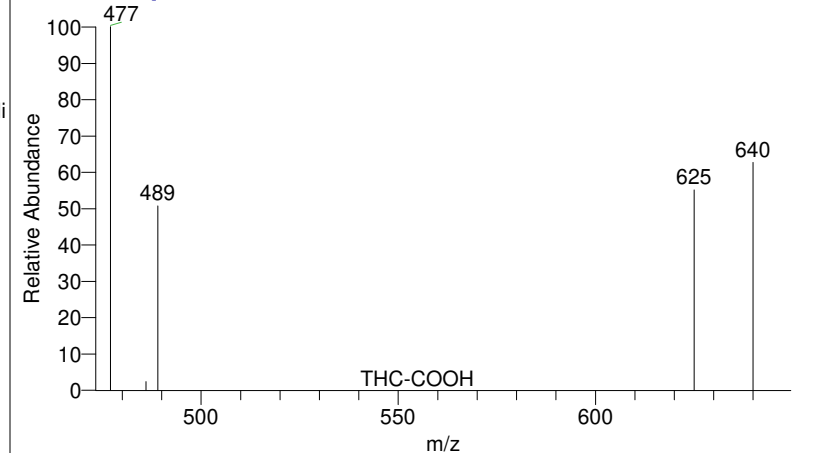


RT: 4.62 - 4.73 SM: 9G

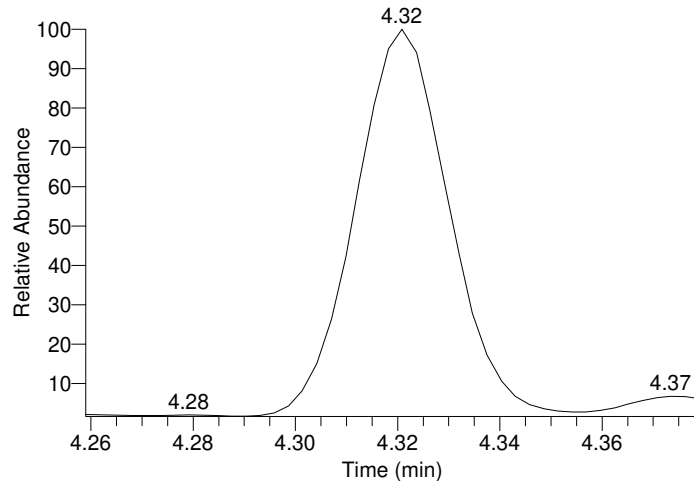


NL:  
5.60E5  
m/z=  
640-641  
MS  
Unext\_Medi  
um

Unext\_Medium #604 RT: 4.68 AV: 1 SB: 9 4.63-4.65, 4.69 NL: 8.94E5  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

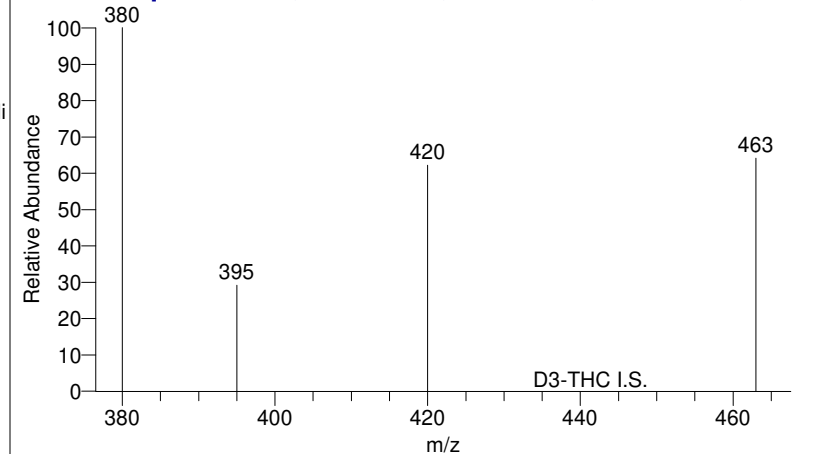


RT: 4.26 - 4.38 SM: 9G

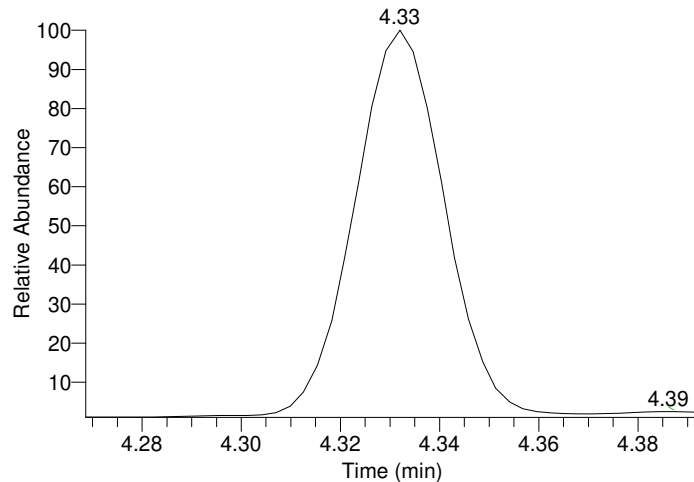


NL:  
3.42E5  
m/z=  
463-464  
MS  
Unext\_Medi  
um

Unext\_Medium #475 RT: 4.32 AV: 1 SB: 7 4.30-4.30, 4.33-4.34 NL: 3.53E5  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

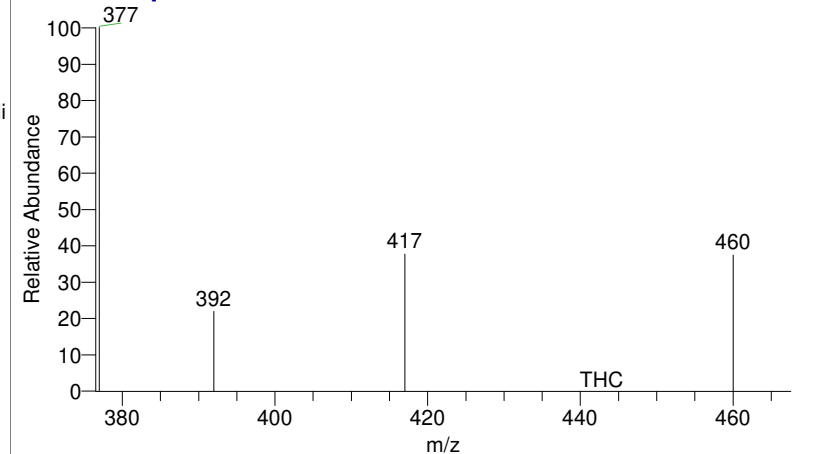


RT: 4.27 - 4.39 SM: 9G

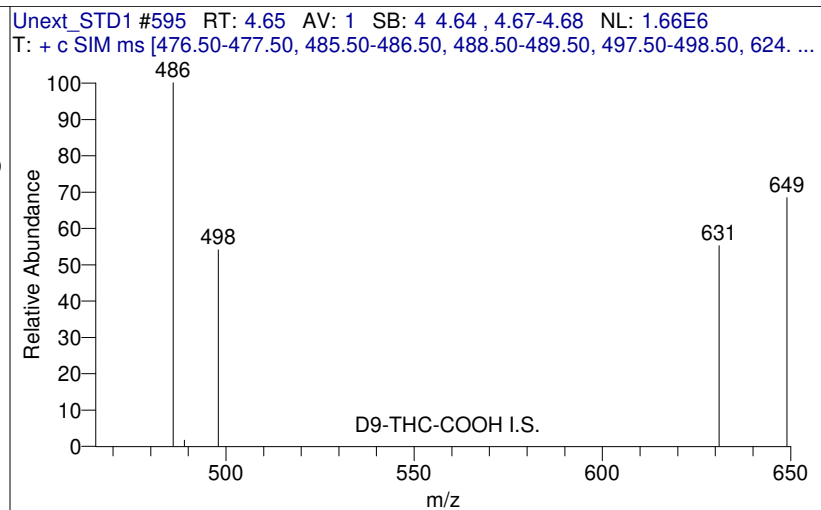
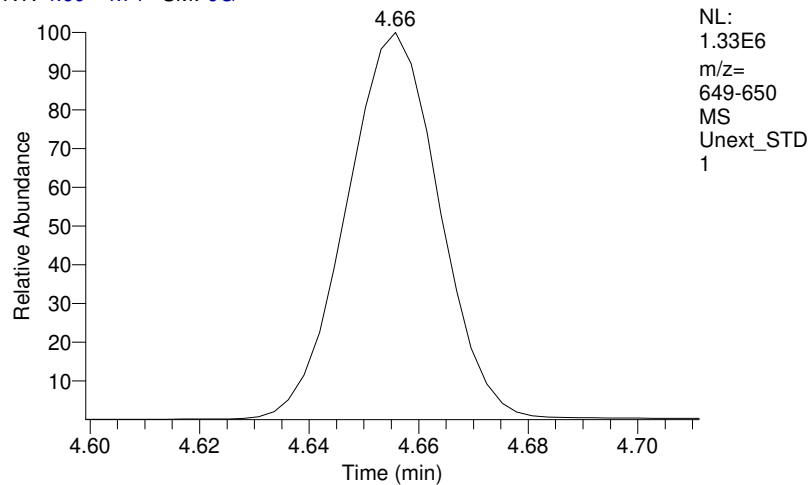


NL:  
1.53E6  
m/z=  
377-378  
MS  
Unext\_Medi  
um

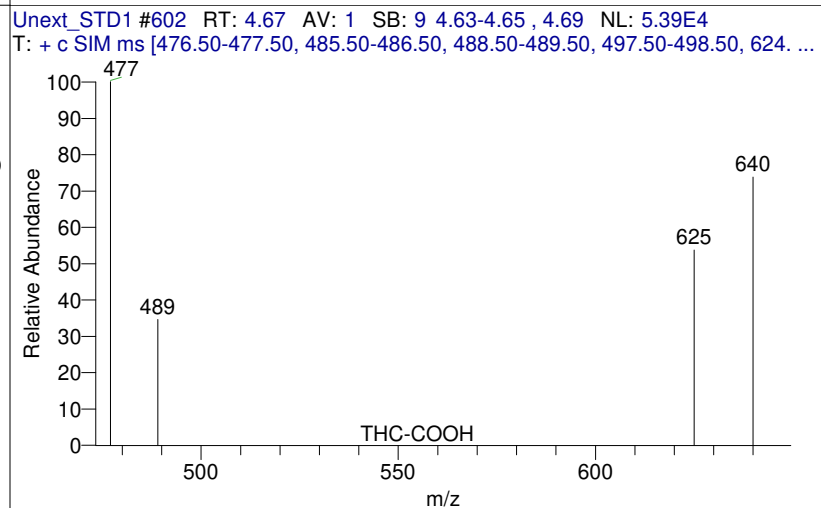
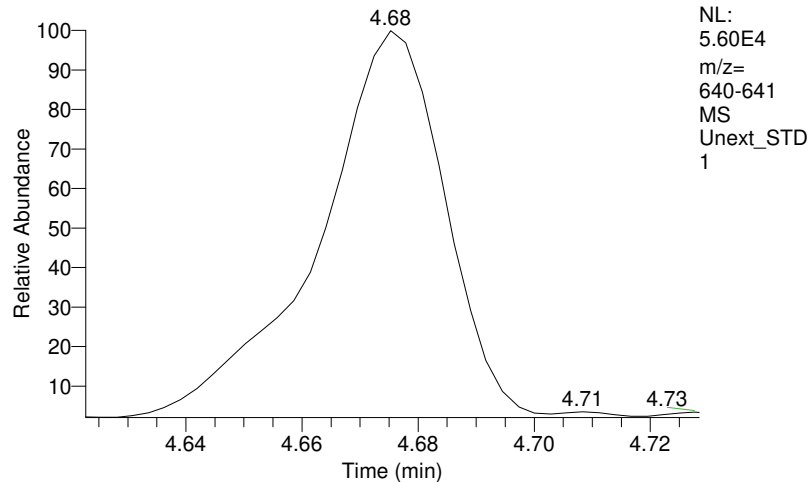
Unext\_Medium #481 RT: 4.33 AV: 1 SB: 2 4.32-4.32 NL: 1.60E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...



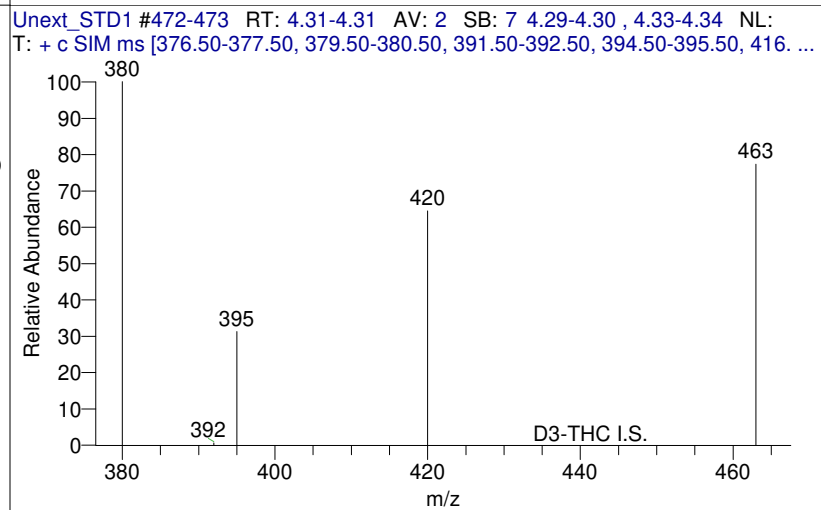
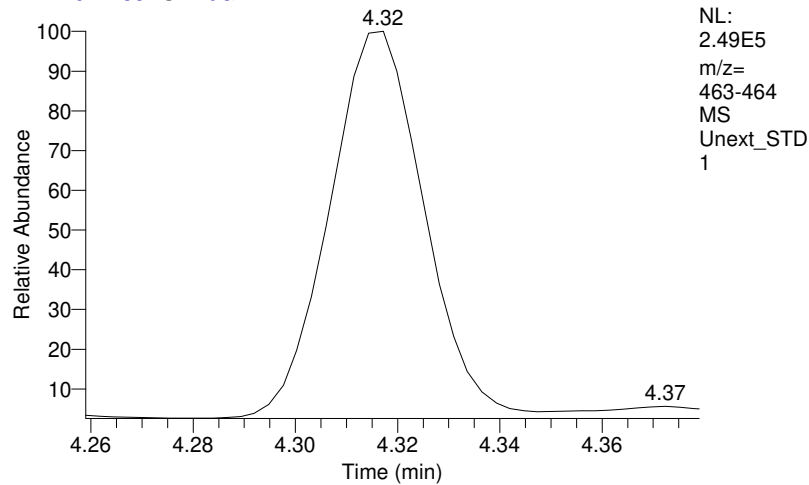
RT: 4.60 - 4.71 SM: 9G



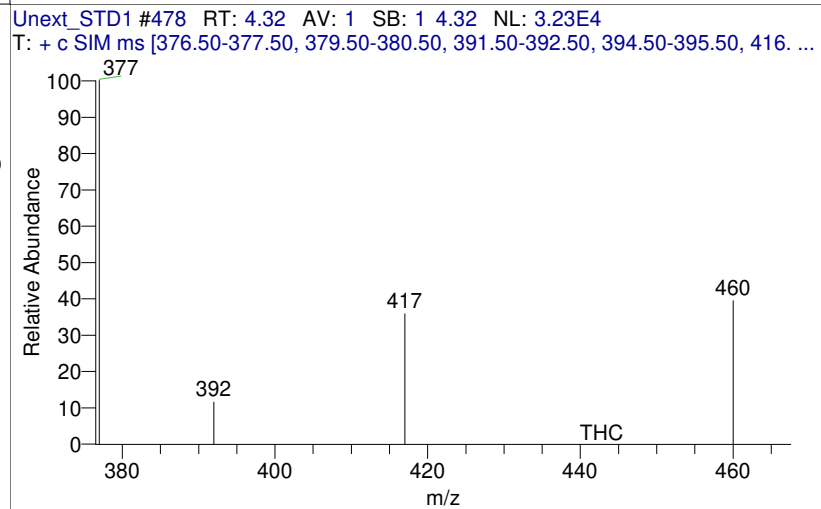
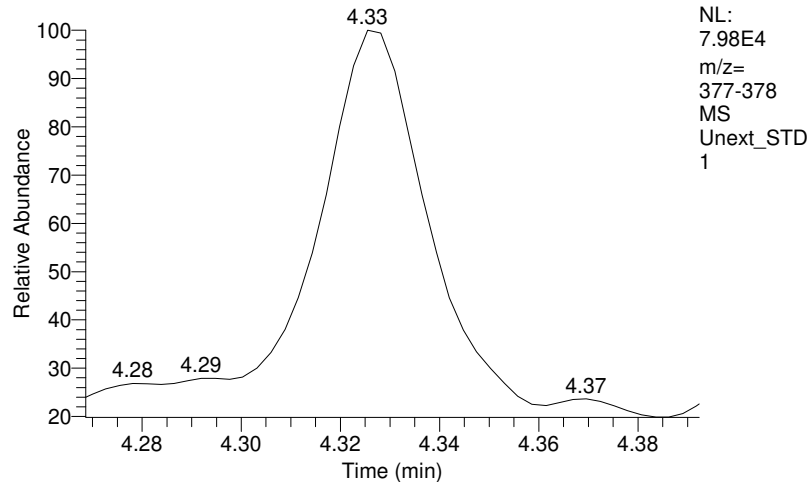
RT: 4.62 - 4.73 SM: 9G



RT: 4.26 - 4.38 SM: 9G



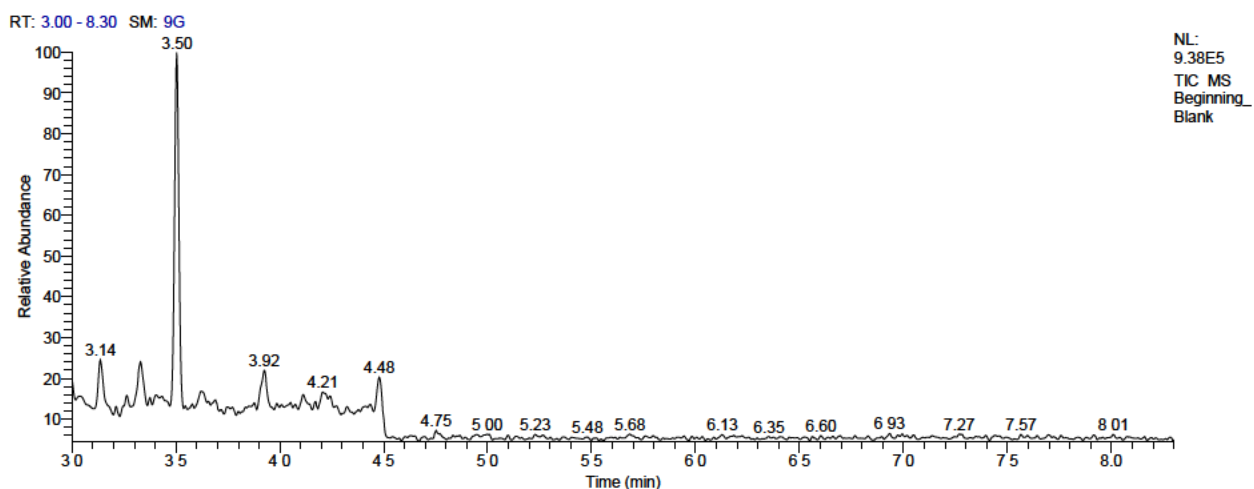
RT: 4.27 - 4.39 SM: 9G



**Michigan State Police Toxicology Unit**  
**GC/MS Cannabinoid Confirmation Report**  
**LS-TX-GCMS6**

**Sample ID: Beginning\_Blank**

**File Name:** Beginning Blank  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 09:01:41 AM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:1



**Total Ion Chromatogram**

| Component Name | RT  | Component Type    | Component Found | Area | Calculated Amount |
|----------------|-----|-------------------|-----------------|------|-------------------|
| THC            | N/A | Target compound   | No              | N/A  | N/A               |
| THC-COOH       | N/A | Target compound   | No              | N/A  | N/A               |
| THC-COOH-D9    | N/A | Internal Standard | No              | N/A  | N/A               |
| THC-D3         | N/A | Internal Standard | No              | N/A  | N/A               |

Amounts in ng/mL

# Michigan State Police Toxicology Unit

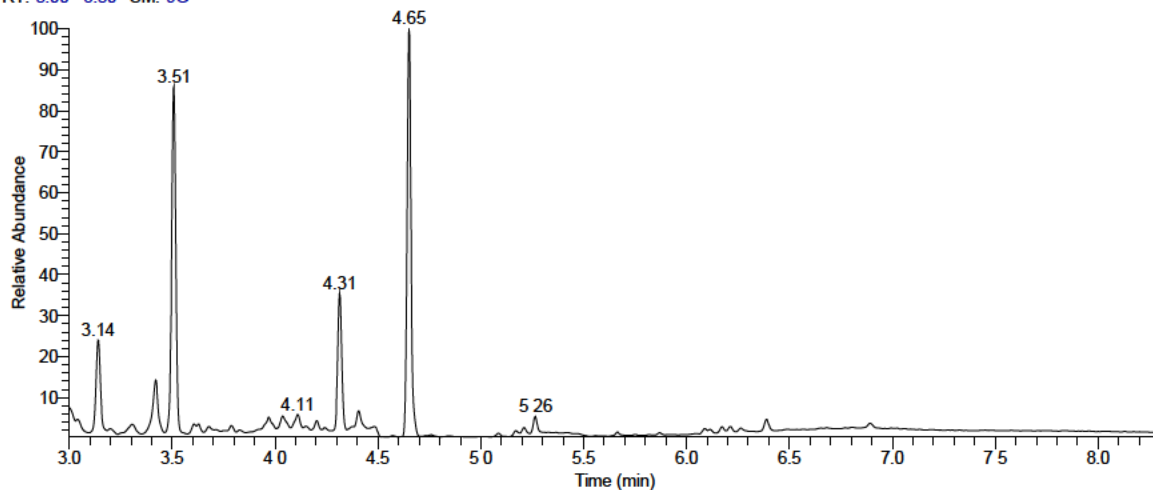
## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

**Sample ID: STD1**

**File Name:** STD1  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 09:13:36 AM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:3

RT: 3.00 - 8.30 SM: 9G



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Specified Amount | Calculated Amount | % Diff   |
|----------------|------|-------------------|-----------------|----------|------------------|-------------------|----------|
| THC            | 4.32 | Target compound   | Yes             | 967948   | 1.00             | 0.91              | -8.86542 |
| THC-COOH       | 4.67 | Target compound   | Yes             | 568105   | 5.00             | 4.81              | -3.84819 |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 10012769 | 100.00           | N/A               | N/A      |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3461812  | 10.00            | N/A               | N/A      |

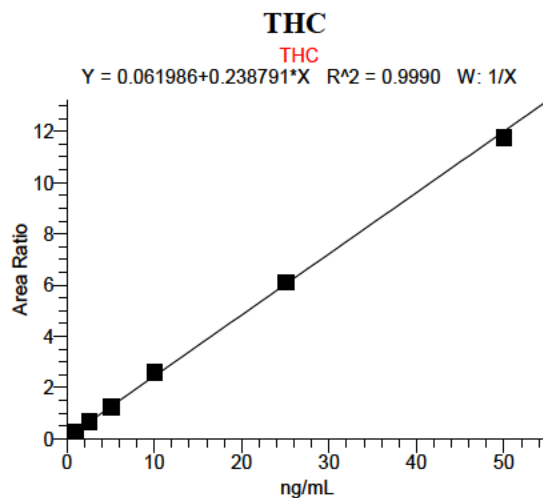
**Amounts in ng/mL**

# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

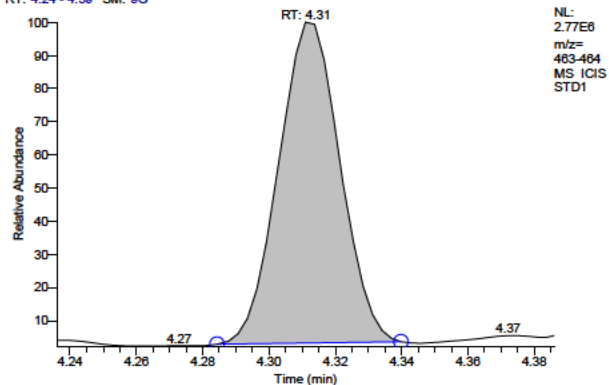
### LS-TX-GCMS6

Sample ID: STD1

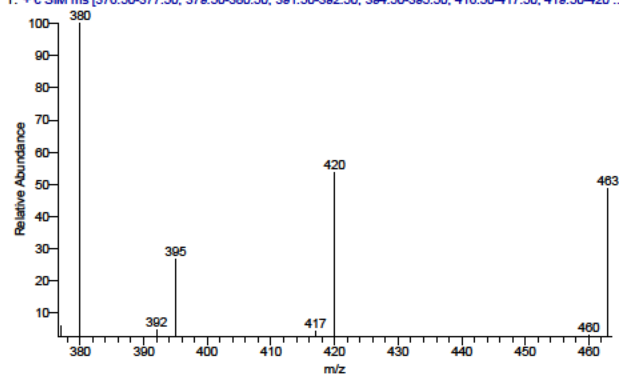


#### THC-D3

RT: 4.24 - 4.30 SM: 9G

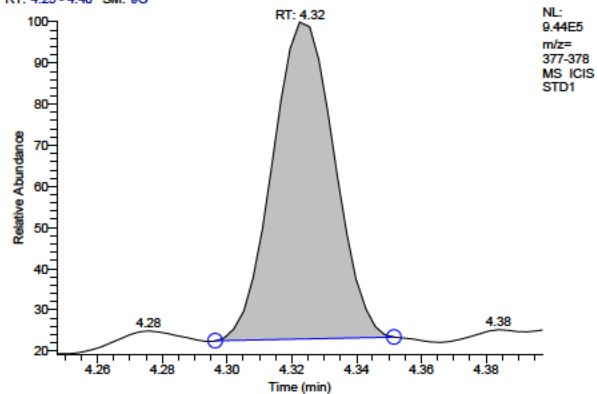


STD1 #450 RT: 4.31 AV: 1 NL: 6.72E8  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.50-417.50, 419.50-420 ...

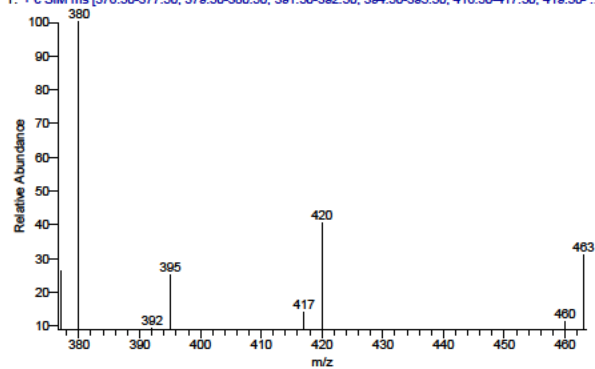


#### THC

RT: 4.25 - 4.40 SM: 9G



STD1 #454 RT: 4.32 AV: 1 NL: 4.03E8  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.50-417.50, 419.50- ...



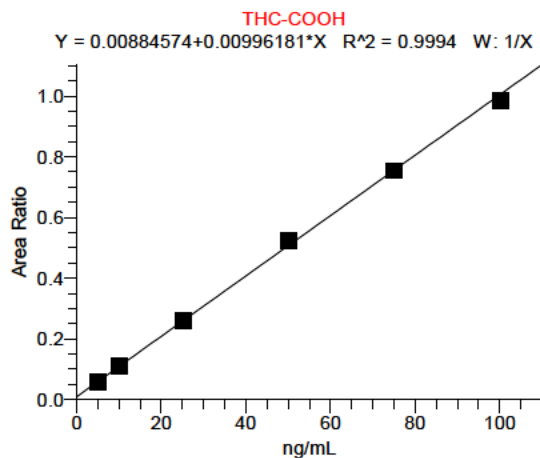
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

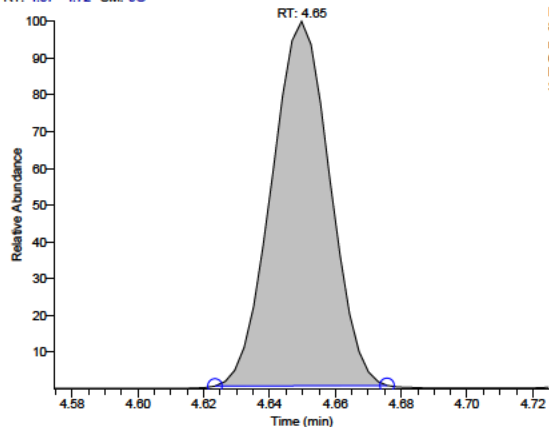
Sample ID: STD1

#### THC-COOH

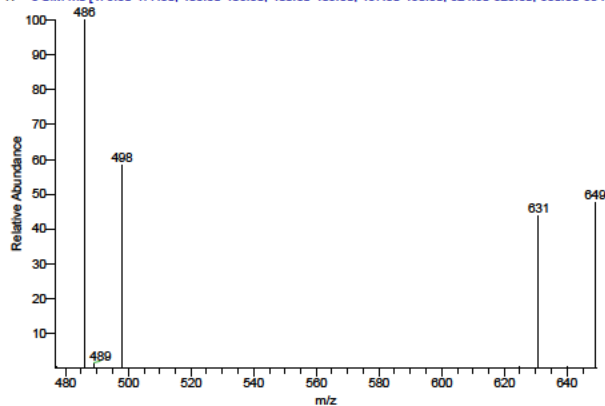


#### THC-COOH-D9

RT: 4.57 - 4.72 SM: 9G

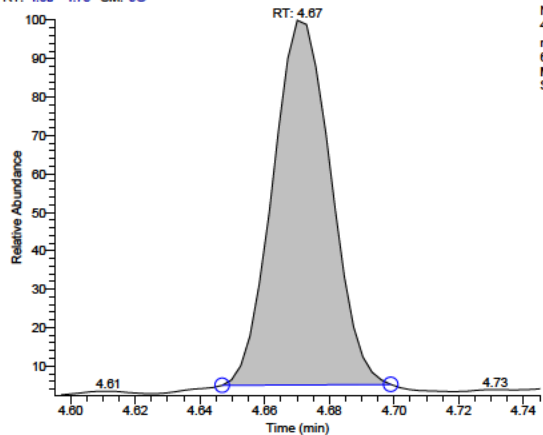


STD1 #565 RT: 4.65 AV: 1 NL: 2.08E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-631.50]

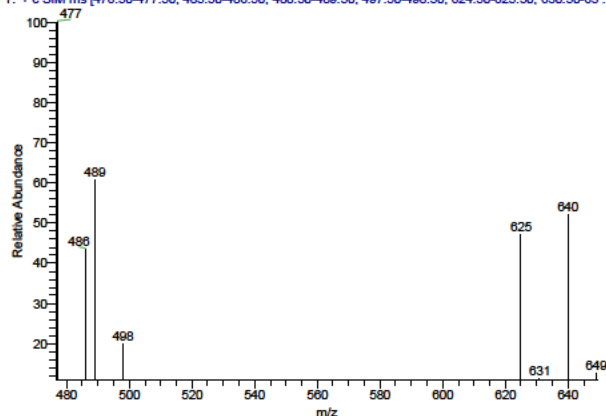


#### THC-COOH

RT: 4.60 - 4.75 SM: 9G



STD1 #572 RT: 4.67 AV: 1 NL: 1.11E8  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-631.50]



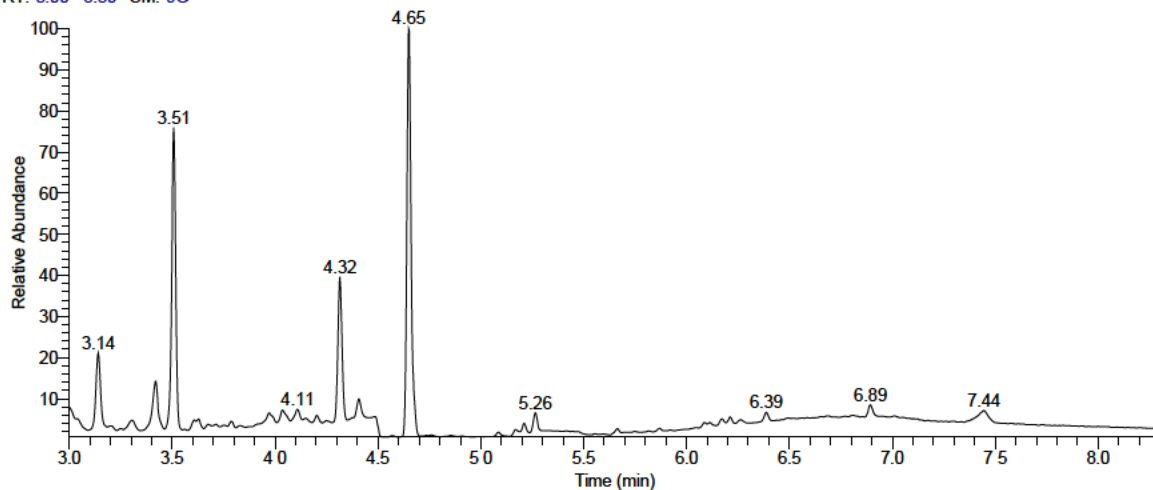


**Michigan State Police Toxicology Unit**  
**GC/MS Cannabinoid Calibration Report**  
**LS-TX-GCMS6**

**Sample ID: STD2**

**File Name:** STD2  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 09:26:14 AM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:4

RT: 3.00 - 8.30 SM: 9G



NL:  
4.52E7  
TIC MS  
STD2

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Specified Amount | Calculated Amount | % Diff  |
|----------------|------|-------------------|-----------------|----------|------------------|-------------------|---------|
| THC            | 4.32 | Target compound   | Yes             | 2326058  | 2.50             | 2.57              | 2.88630 |
| THC-COOH       | 4.67 | Target compound   | Yes             | 1101550  | 10.00            | 10.12             | 1.19958 |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 10045251 | 100.00           | N/A               | N/A     |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3439926  | 10.00            | N/A               | N/A     |

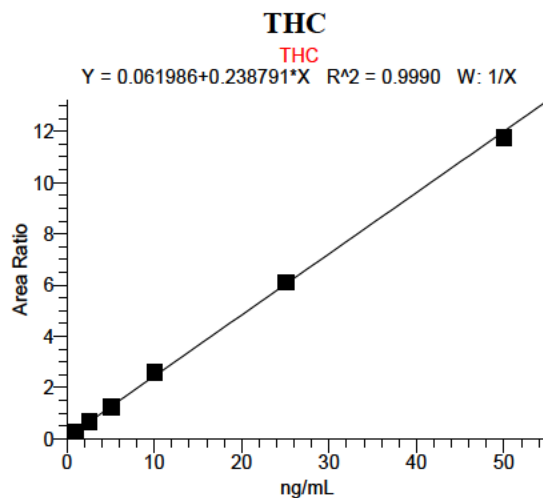
Amounts in ng/mL

# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

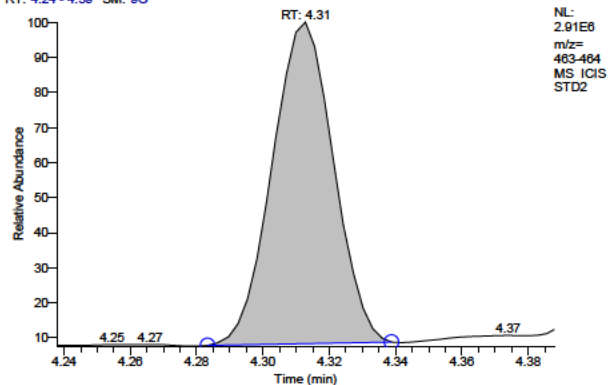
### LS-TX-GCMS6

Sample ID: STD2

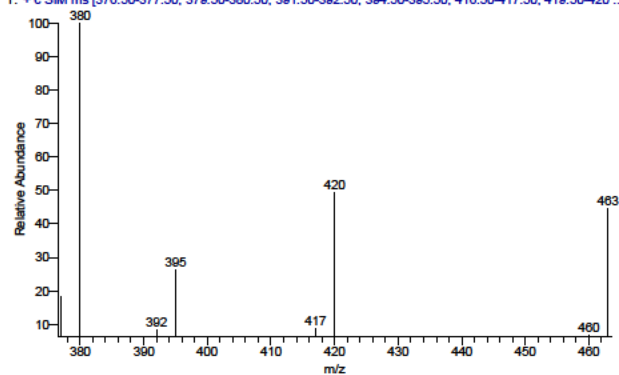


### THC-D3

RT: 4.24 - 4.30 SM: 9G

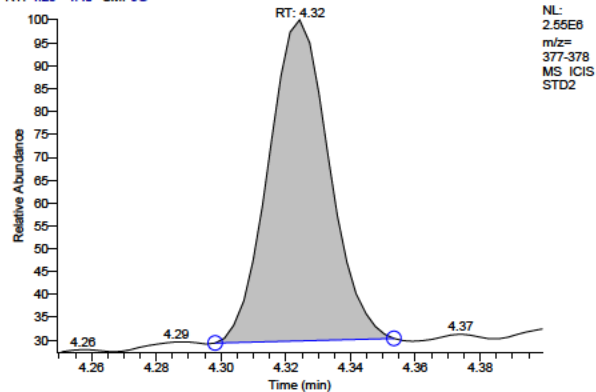


STD2 #451 RT: 4.31 AV: 1 NL: 7.62E8  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.50-417.50, 419.50-420.50]

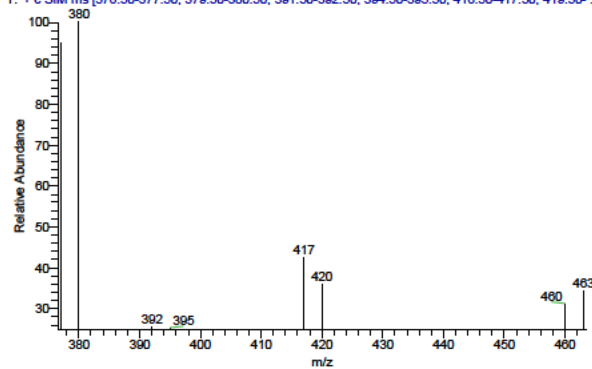


### THC

RT: 4.25 - 4.40 SM: 9G



STD2 #455 RT: 4.32 AV: 1 NL: 3.04E8  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.50-417.50, 419.50-420.50]



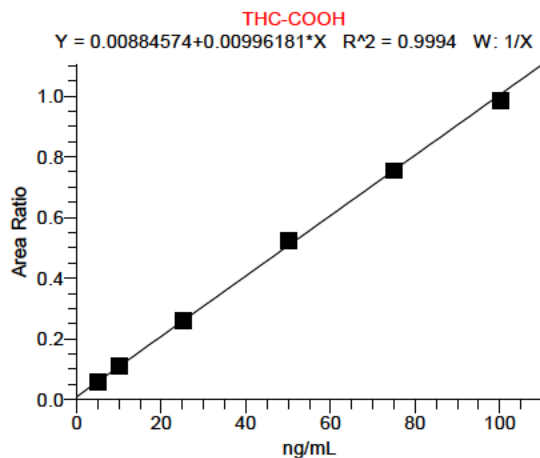
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

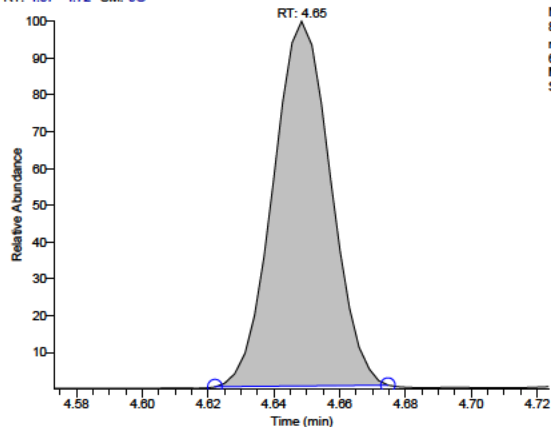
Sample ID: STD2

#### THC-COOH

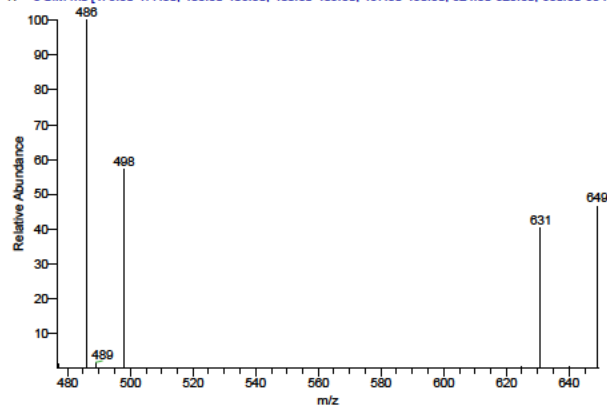


#### THC-COOH-D9

RT: 4.57 - 4.72 SM: 9G

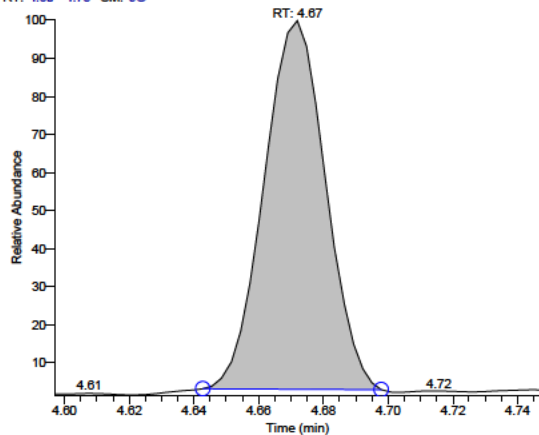


STD2 #565 RT: 4.65 AV: 1 NL: 2.20E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-631.50]

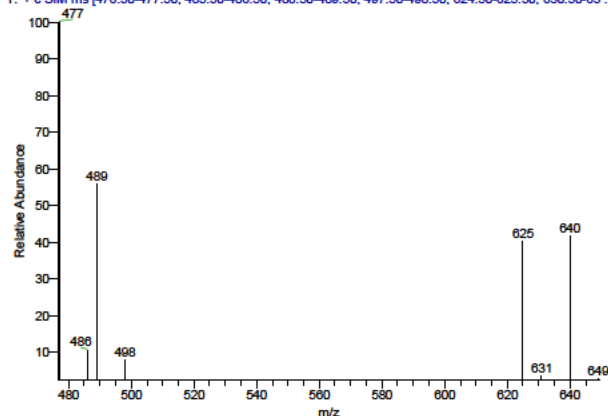


#### THC-COOH

RT: 4.60 - 4.75 SM: 9G



STD2 #573 RT: 4.67 AV: 1 NL: 2.40E8  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-631.50]



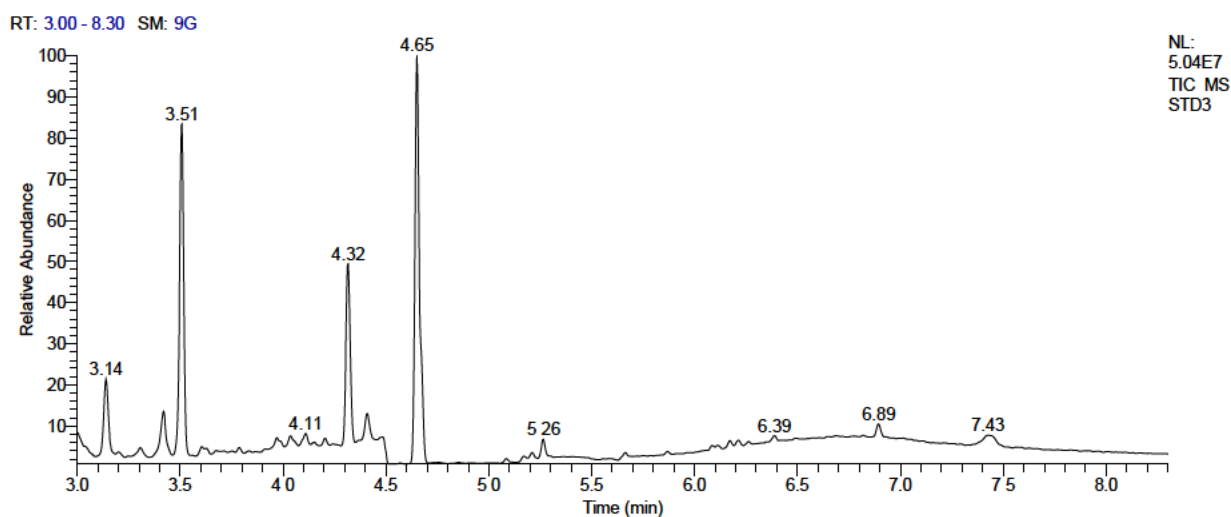
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

**Sample ID: STD3**

**File Name:** STD3  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 09:38:50 AM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:5



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Specified Amount | Calculated Amount | % Diff  |
|----------------|------|-------------------|-----------------|----------|------------------|-------------------|---------|
| THC            | 4.32 | Target compound   | Yes             | 5129927  | 5.00             | 5.02              | 0.40831 |
| THC-COOH       | 4.67 | Target compound   | Yes             | 2847553  | 25.00            | 25.28             | 1.11180 |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 10924406 | 100.00           | N/A               | N/A     |
| THC-D3         | 4.31 | Internal Standard | Yes             | 4068736  | 10.00            | N/A               | N/A     |

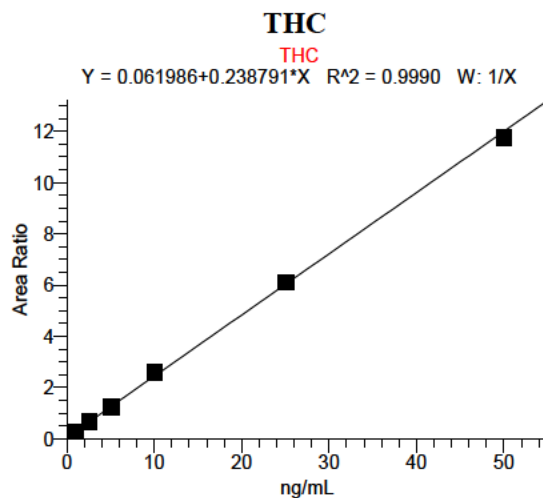
Amounts in ng/mL

# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

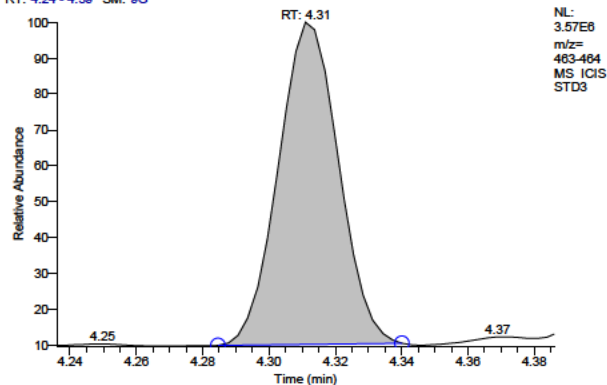
### LS-TX-GCMS6

Sample ID: STD3

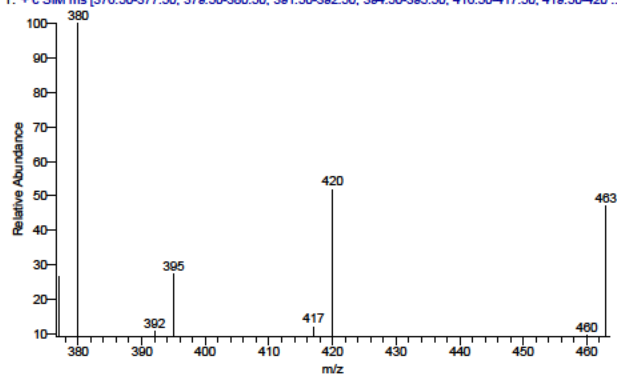


#### THC-D3

RT: 4.24 - 4.30 SM: 9G

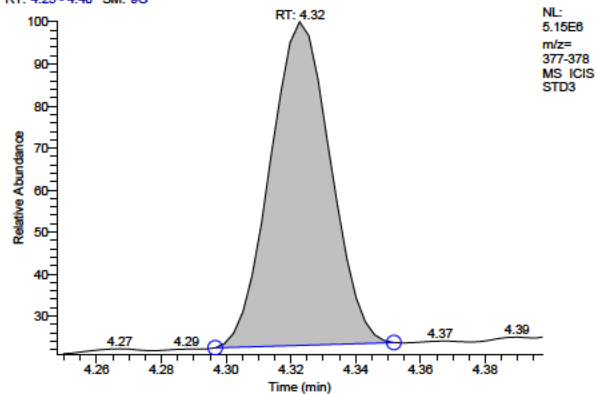


STD3 #450 RT: 4.31 AV: 1 NL: 8.92E8  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.50-417.50, 419.50-420.50]

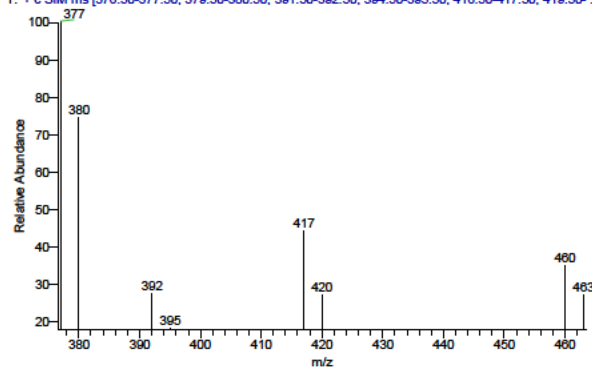


#### THC

RT: 4.25 - 4.40 SM: 9G



STD3 #454 RT: 4.32 AV: 1 NL: 5.84E8  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.50-417.50, 419.50-420.50]



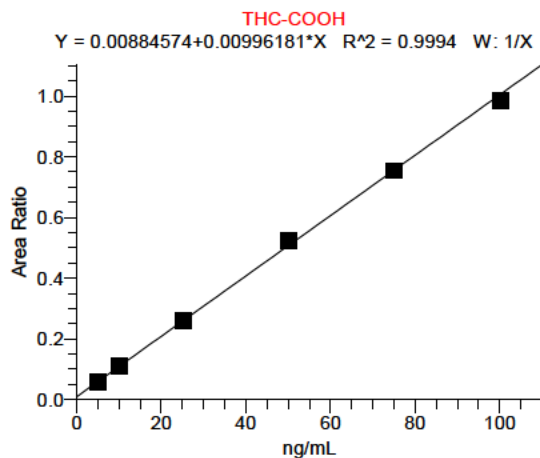
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

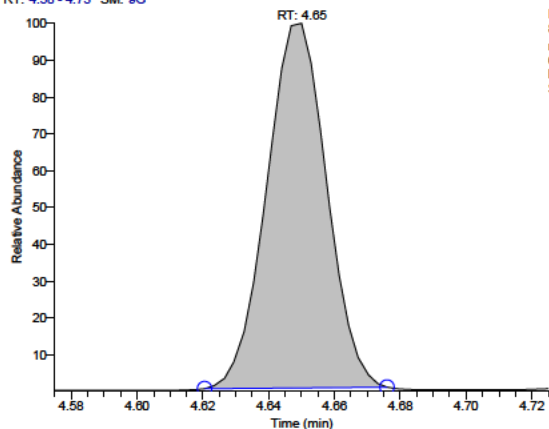
Sample ID: STD3

#### THC-COOH

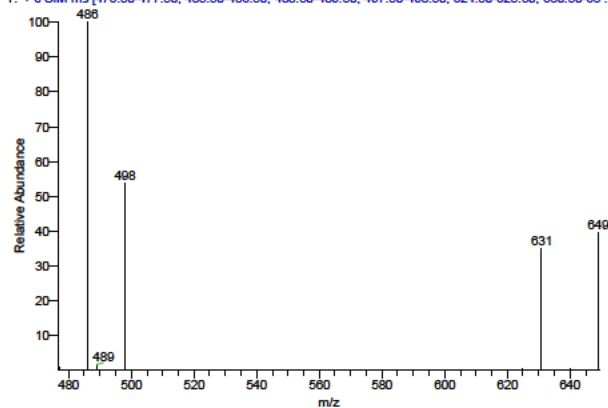


#### THC-COOH-D9

RT: 4.58 - 4.73 SM: 9G

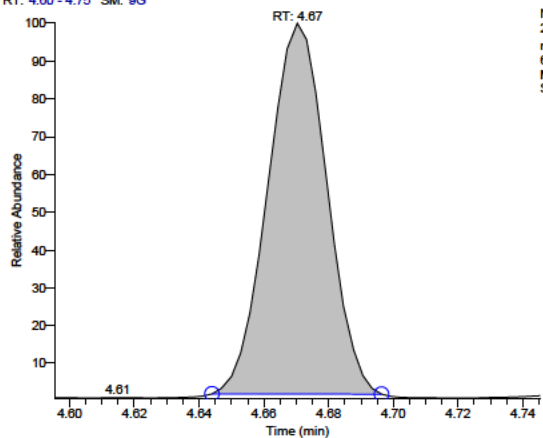


STD3 #565 RT: 4.65 AV: 1 NL: 2.63E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-631.50, ...]

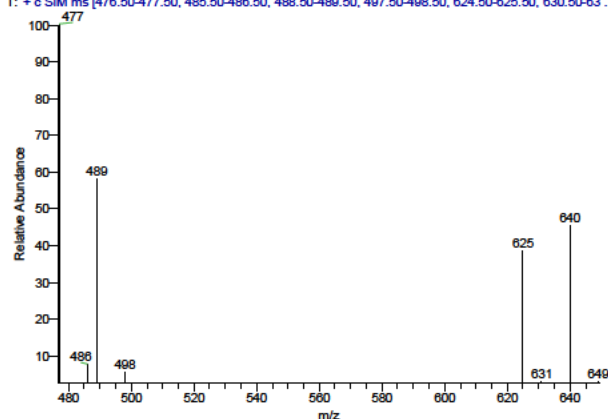


#### THC-COOH

RT: 4.60 - 4.75 SM: 9G



STD3 #572 RT: 4.67 AV: 1 NL: 6.03E8  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-631.50, ...]



# Michigan State Police Toxicology Unit

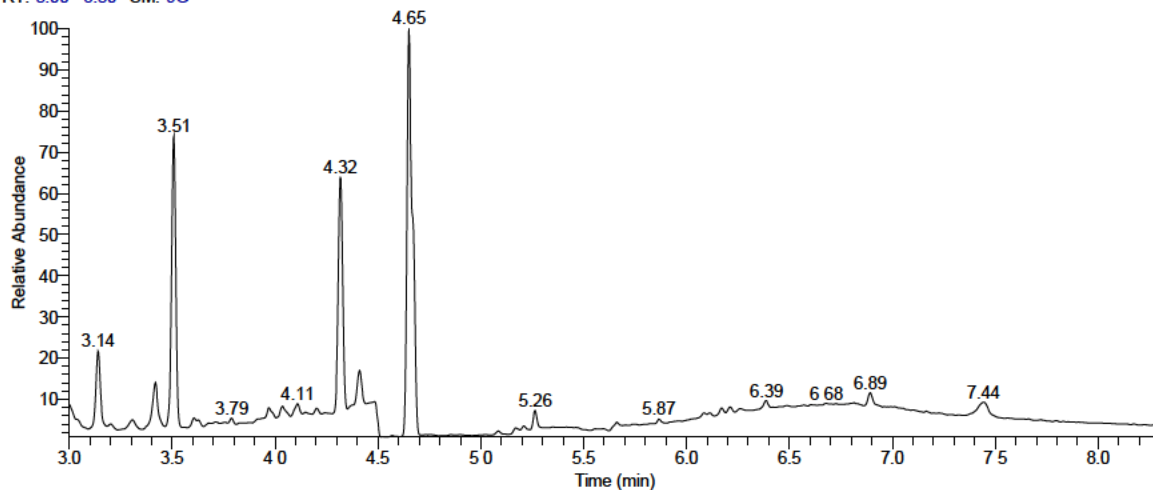
## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

**Sample ID: STD4**

**File Name:** STD4  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 09:51:24 AM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:6

RT: 3.00 - 8.30 SM: 9G



NL:  
 5.05E7  
 TIC MS  
 STD4

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Specified Amount | Calculated Amount | % Diff  |
|----------------|------|-------------------|-----------------|----------|------------------|-------------------|---------|
| THC            | 4.32 | Target compound   | Yes             | 10417648 | 10.00            | 10.60             | 6.02685 |
| THC-COOH       | 4.67 | Target compound   | Yes             | 5589356  | 50.00            | 51.77             | 3.53979 |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 10655171 | 100.00           | N/A               | N/A     |
| THC-D3         | 4.31 | Internal Standard | Yes             | 4016347  | 10.00            | N/A               | N/A     |

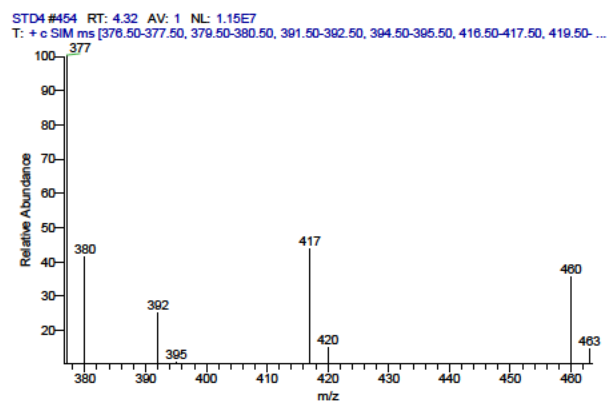
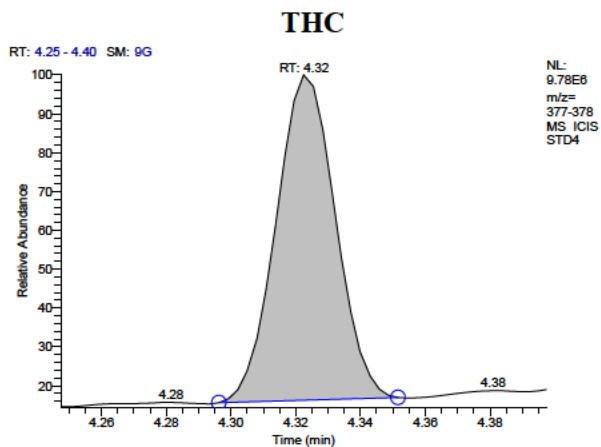
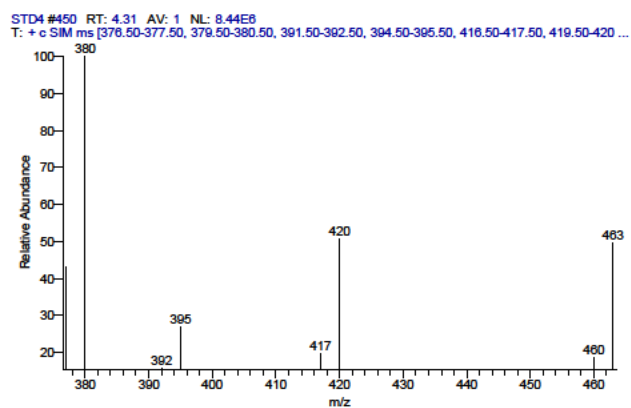
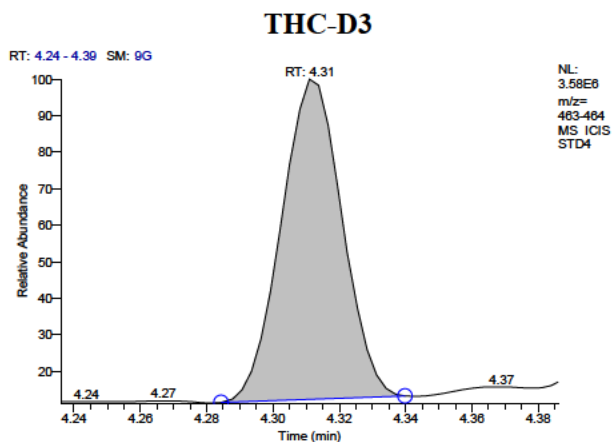
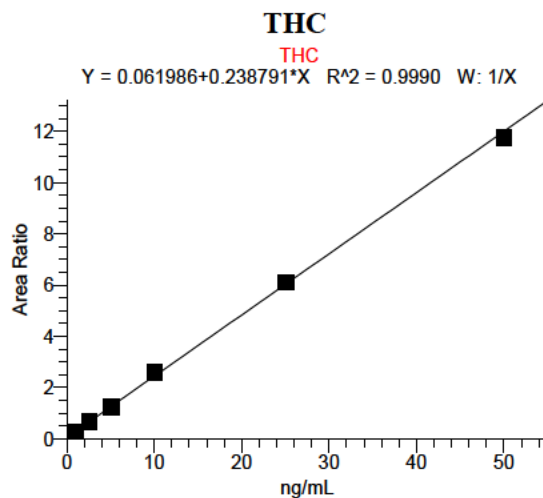
Amounts in ng/mL

# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

Sample ID: STD4





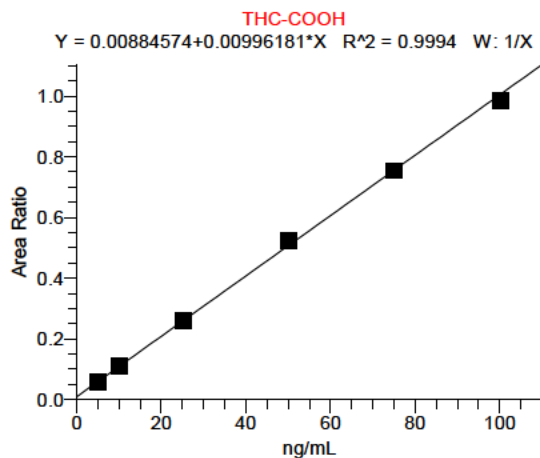
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

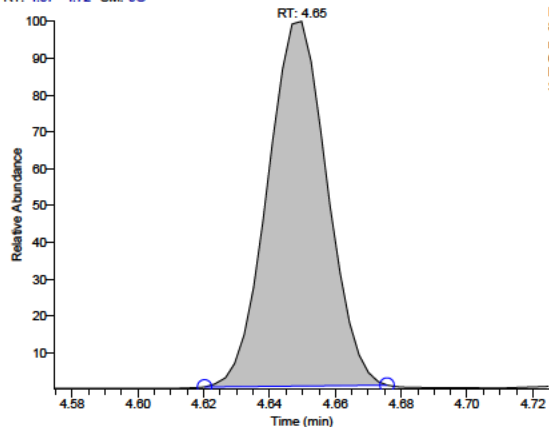
Sample ID: STD4

#### THC-COOH



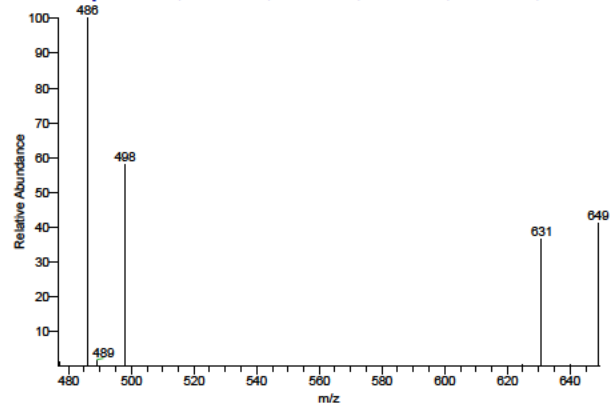
#### THC-COOH-D9

RT: 4.57 - 4.72 SM: 9G



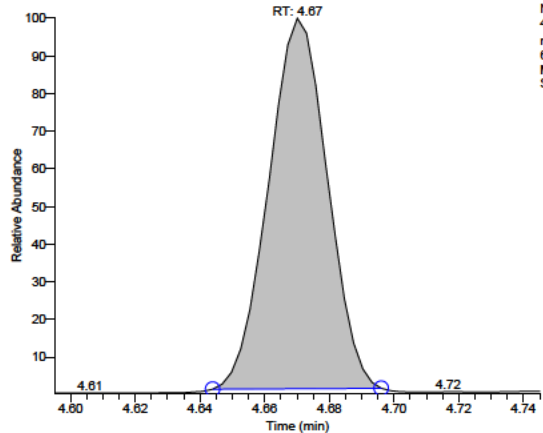
STD4 #565 RT: 4.65 AV: 1 NL: 2.51E7

T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-631.50]



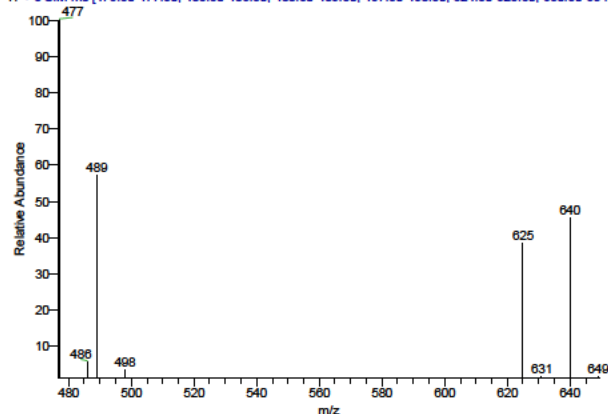
#### THC-COOH

RT: 4.60 - 4.75 SM: 9G



STD4 #572 RT: 4.67 AV: 1 NL: 1.18E7

T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-631.50]

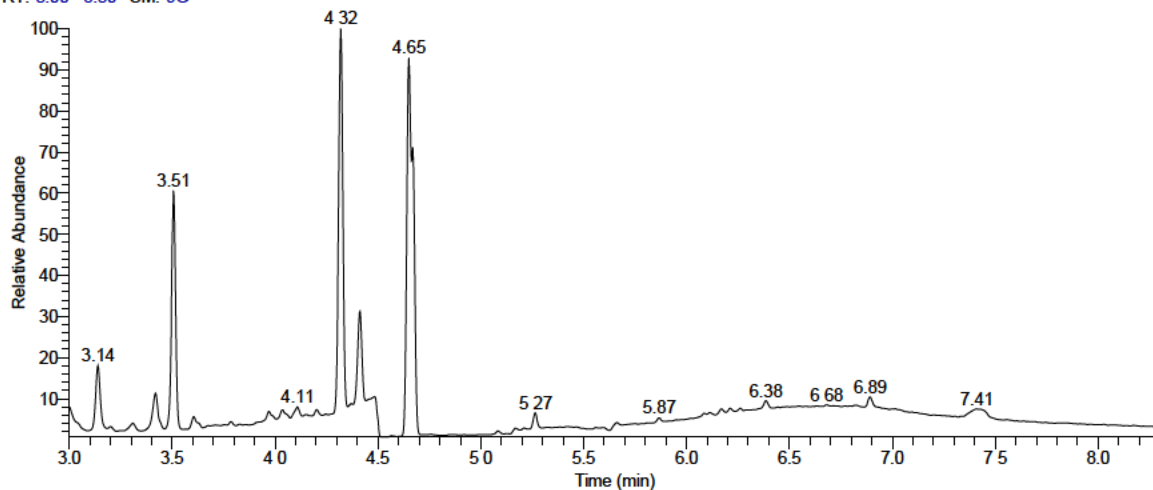


**Michigan State Police Toxicology Unit**  
**GC/MS Cannabinoid Calibration Report**  
**LS-TX-GCMS6**

**Sample ID: STD5**

**File Name:** STD5  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 10:03:56 AM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:7

RT: 3.00 - 8.30 SM: 9G



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Specified Amount | Calculated Amount | % Diff   |
|----------------|------|-------------------|-----------------|----------|------------------|-------------------|----------|
| THC            | 4.32 | Target compound   | Yes             | 27919099 | 25.00            | 25.38             | 1.51432  |
| THC-COOH       | 4.67 | Target compound   | Yes             | 9574187  | 75.00            | 74.92             | -0.11033 |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 12678407 | 100.00           | N/A               | N/A      |
| THC-D3         | 4.31 | Internal Standard | Yes             | 4560333  | 10.00            | N/A               | N/A      |

**Amounts in ng/mL**

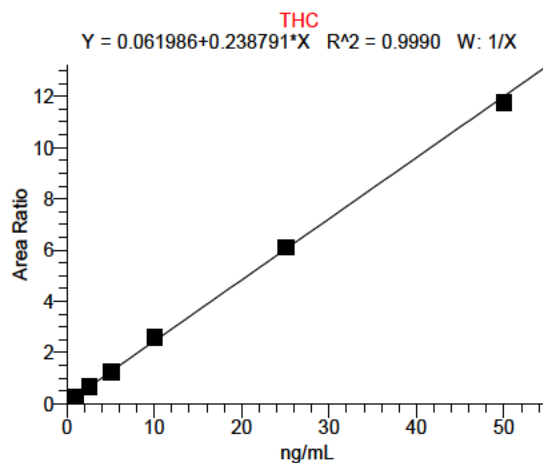
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

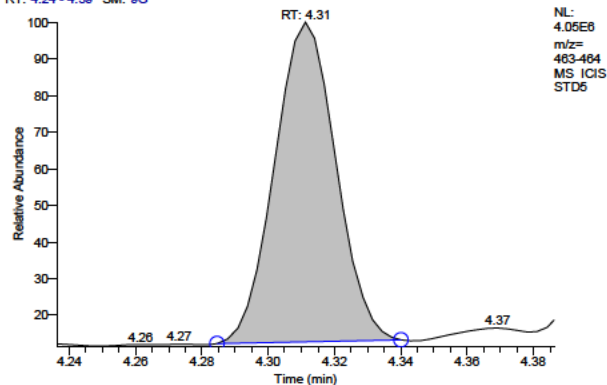
Sample ID: STD5

THC

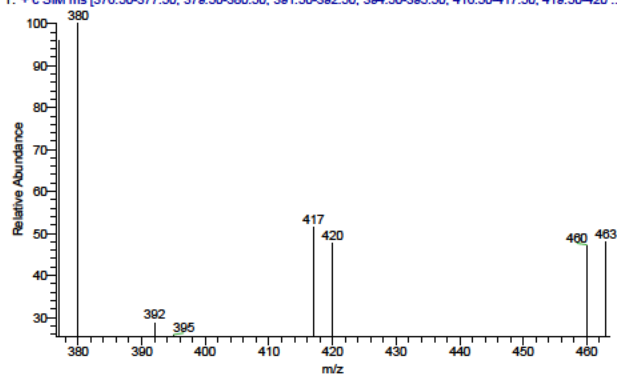


THC-D3

RT: 4.24 - 4.30 SM: 9G

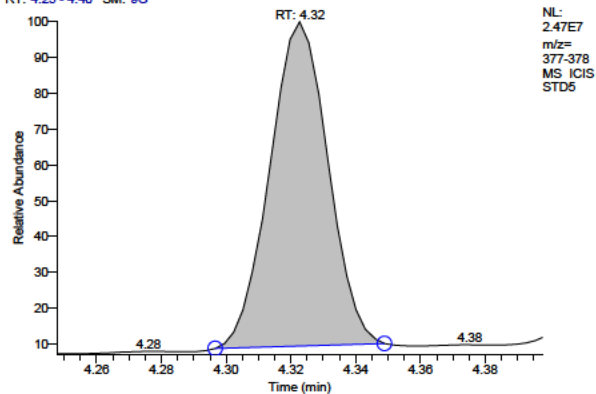


STD5 #450 RT: 4.31 AV: 1 NL: 9.80E8  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.50-417.50, 419.50-420.50, ...]

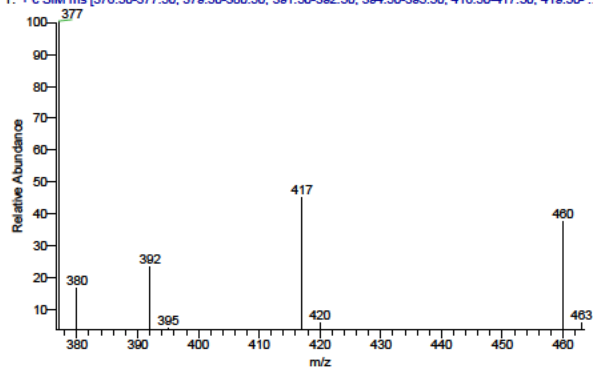


THC

RT: 4.25 - 4.40 SM: 9G



STD5 #454 RT: 4.32 AV: 1 NL: 2.94E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.50-417.50, 419.50-420.50, ...]



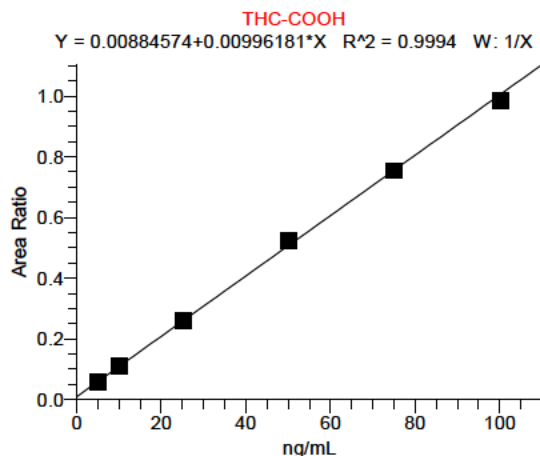
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

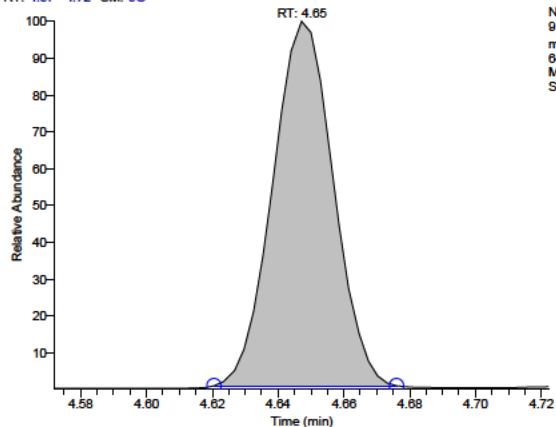
Sample ID: STD5

#### THC-COOH

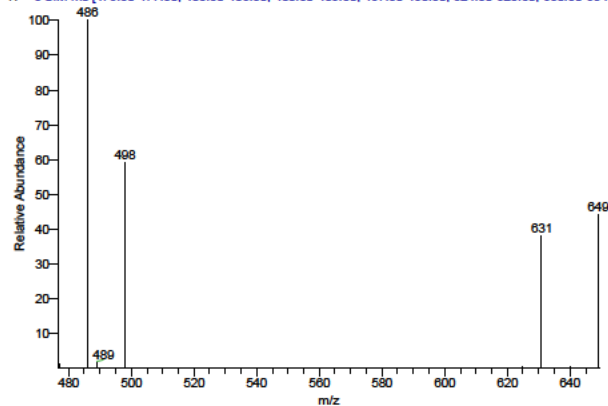


#### THC-COOH-D9

RT: 4.57 - 4.72 SM: 9G

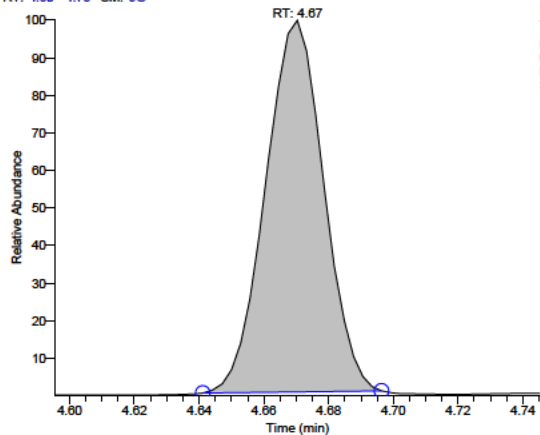


STD5 #564 RT: 4.65 AV: 1 NL: 2.69E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-63 ...

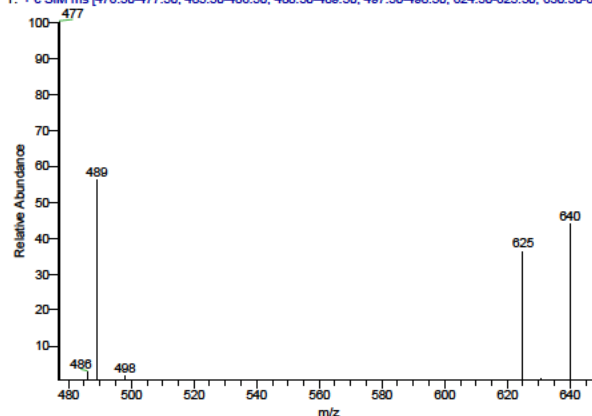


#### THC-COOH

RT: 4.60 - 4.75 SM: 9G



STD5 #572 RT: 4.67 AV: 1 NL: 2.15E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-63 ...



# Michigan State Police Toxicology Unit

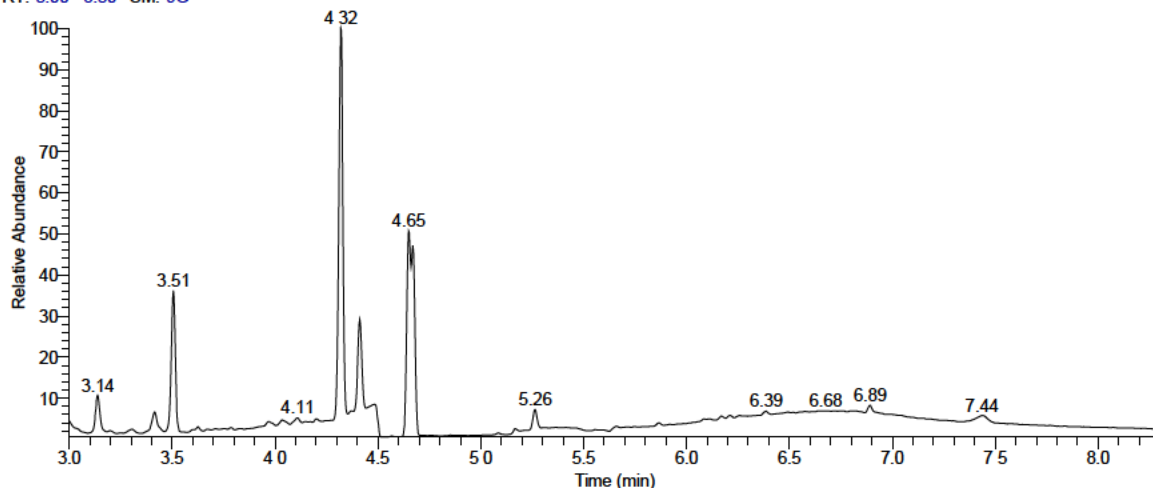
## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

**Sample ID: STD6**

**File Name:** STD6  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 10:16:34 AM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:8

RT: 3.00 - 8.30 SM: 9G



NL:  
 9.92E7  
 TIC MS  
 STD6

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Specified Amount | Calculated Amount | % Diff   |
|----------------|------|-------------------|-----------------|----------|------------------|-------------------|----------|
| THC            | 4.32 | Target compound   | Yes             | 49138970 | 50.00            | 49.01             | -1.97037 |
| THC-COOH       | 4.67 | Target compound   | Yes             | 10299556 | 100.00           | 98.11             | -1.89264 |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 10443973 | 100.00           | N/A               | N/A      |
| THC-D3         | 4.31 | Internal Standard | Yes             | 4176253  | 10.00            | N/A               | N/A      |

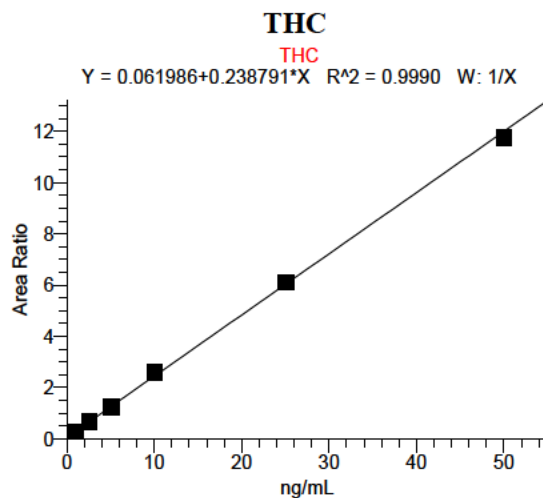
Amounts in ng/mL

# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

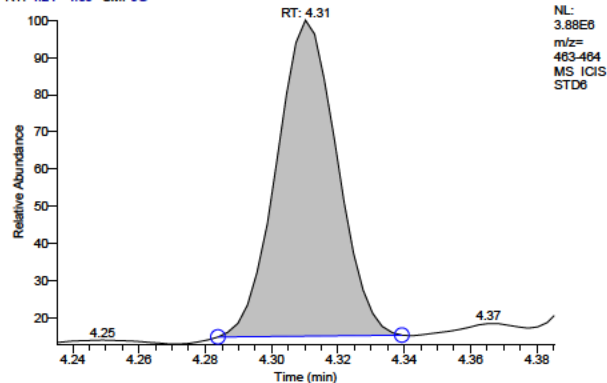
### LS-TX-GCMS6

Sample ID: STD6

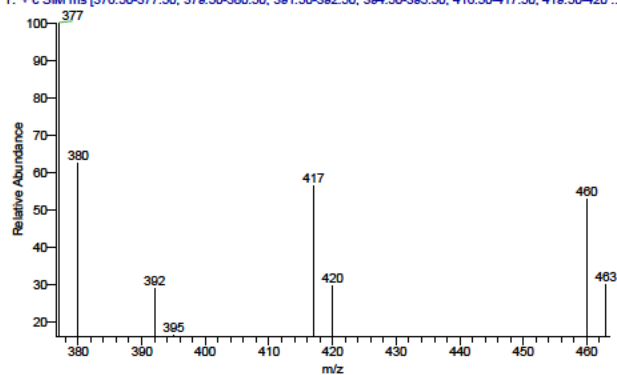


#### THC-D3

RT: 4.24 - 4.30 SM: 9G

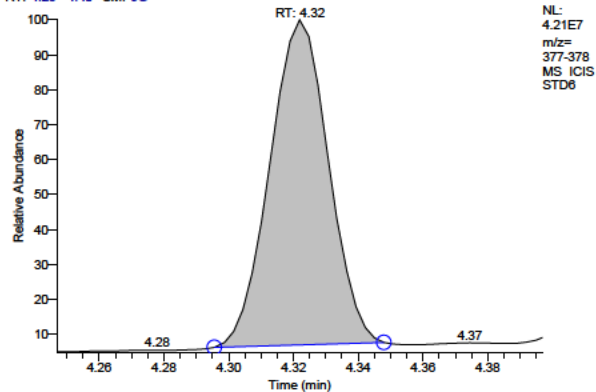


STD6 #450 RT: 4.31 AV: 1 NL: 1.53E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.50-417.50, 419.50-420.50]

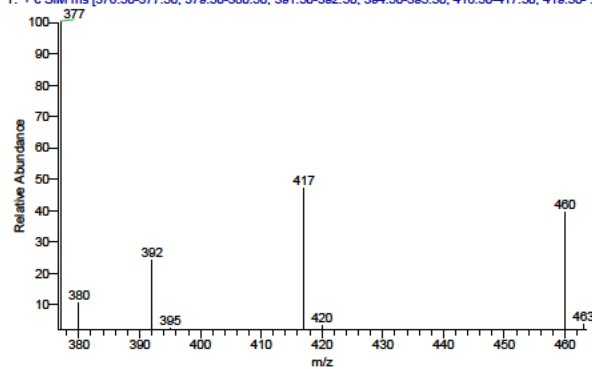


#### THC

RT: 4.25 - 4.40 SM: 9G



STD6 #454 RT: 4.32 AV: 1 NL: 5.02E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.50-417.50, 419.50-420.50]



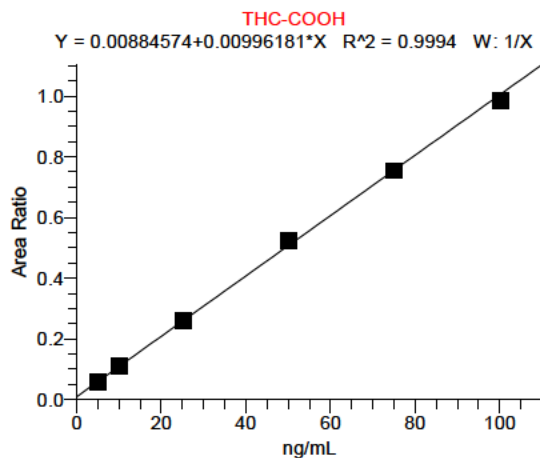
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

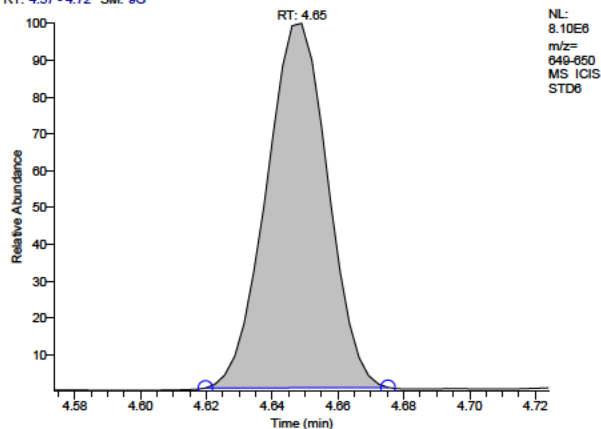
Sample ID: STD6

#### THC-COOH

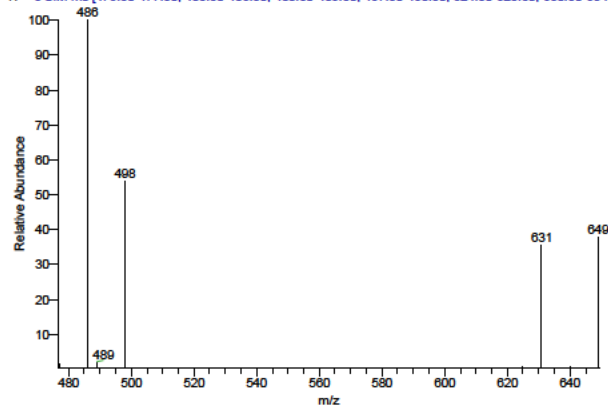


#### THC-COOH-D9

RT: 4.57 - 4.72 SM: 9G

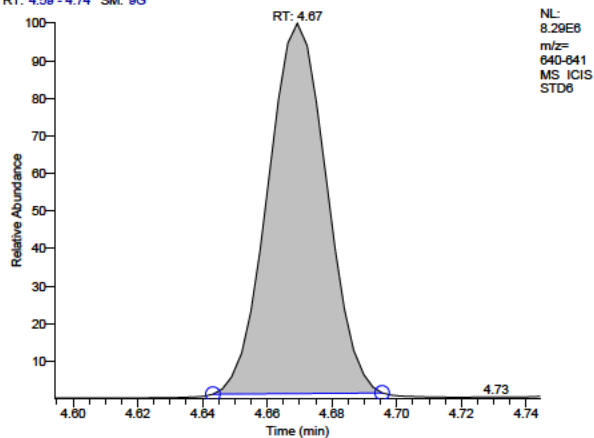


STD6 #565 RT: 4.65 AV: 1 NL: 2.54E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-63 ...

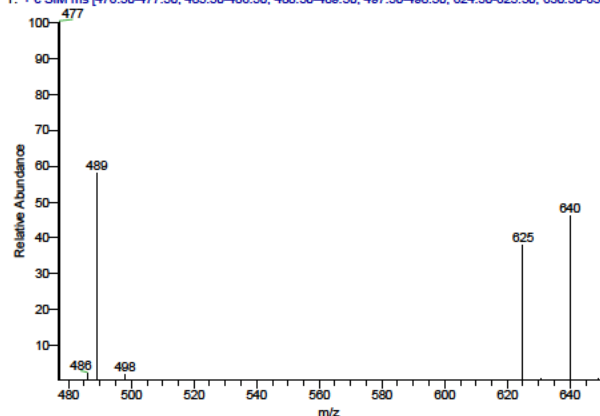


#### THC-COOH

RT: 4.59 - 4.74 SM: 9G



STD6 #572 RT: 4.67 AV: 1 NL: 2.15E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-63 ...



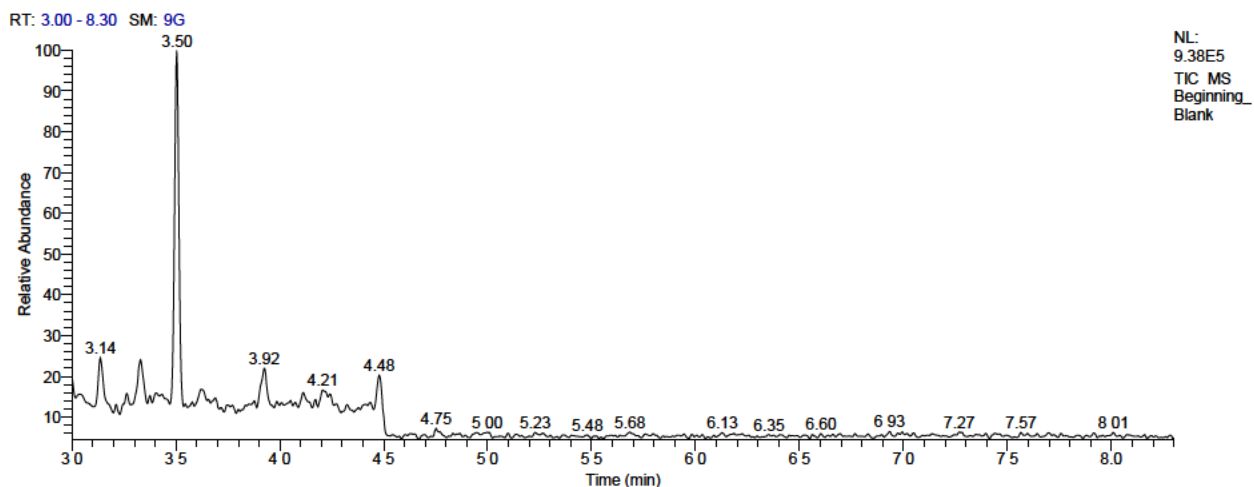
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID: Beginning\_Blank**

**File Name:** Beginning Blank  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 09:01:41 AM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:1



**Total Ion Chromatogram**

| Component Name | RT  | Component Type    | Component Found | Area | Calculated Amount |
|----------------|-----|-------------------|-----------------|------|-------------------|
| THC            | N/A | Target compound   | No              | N/A  | N/A               |
| THC-COOH       | N/A | Target compound   | No              | N/A  | N/A               |
| THC-COOH-D9    | N/A | Internal Standard | No              | N/A  | N/A               |
| THC-D3         | N/A | Internal Standard | No              | N/A  | N/A               |

Amounts in ng/mL



# Michigan State Police Toxicology Unit

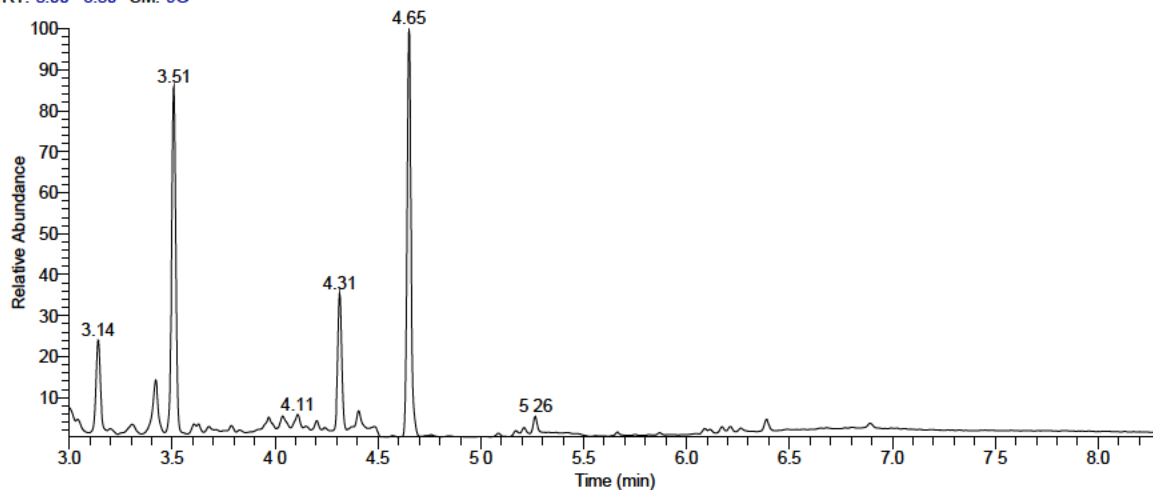
## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

**Sample ID: STD1**

**File Name:** STD1  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 09:13:36 AM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:3

RT: 3.00 - 8.30 SM: 9G



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Specified Amount | Calculated Amount | % Diff   |
|----------------|------|-------------------|-----------------|----------|------------------|-------------------|----------|
| THC            | 4.32 | Target compound   | Yes             | 967948   | 1.00             | 0.91              | -8.86542 |
| THC-COOH       | 4.67 | Target compound   | Yes             | 568105   | 5.00             | 4.81              | -3.84819 |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 10012769 | 100.00           | N/A               | N/A      |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3461812  | 10.00            | N/A               | N/A      |

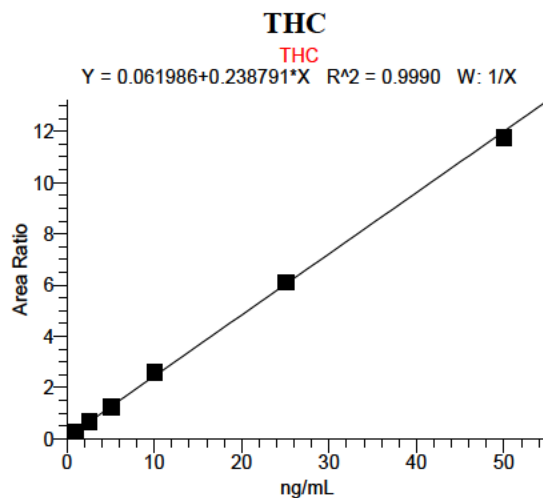
Amounts in ng/mL

# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

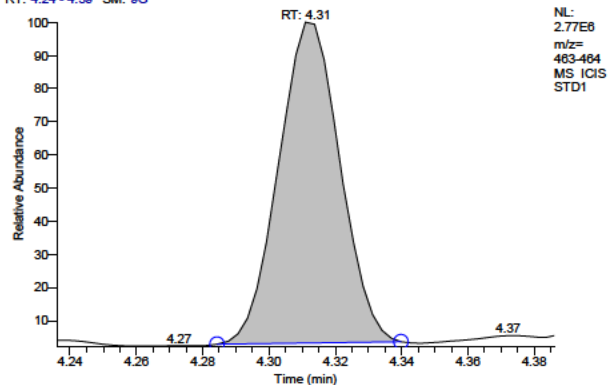
### LS-TX-GCMS6

Sample ID: STD1

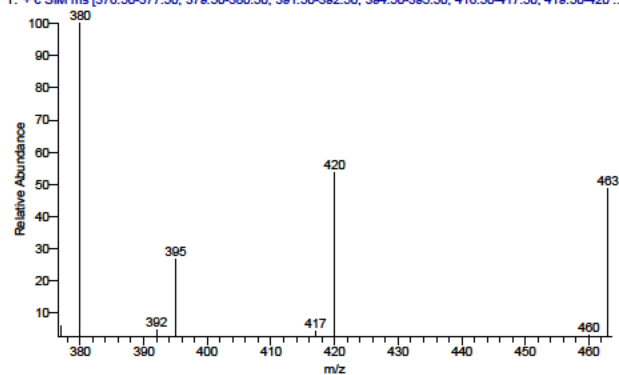


#### THC-D3

RT: 4.24 - 4.30 SM: 9G

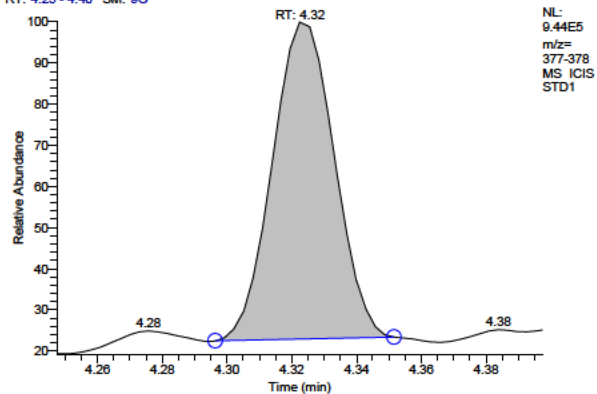


STD1 #450 RT: 4.31 AV: 1 NL: 6.72E8  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.50-417.50, 419.50-420 ...

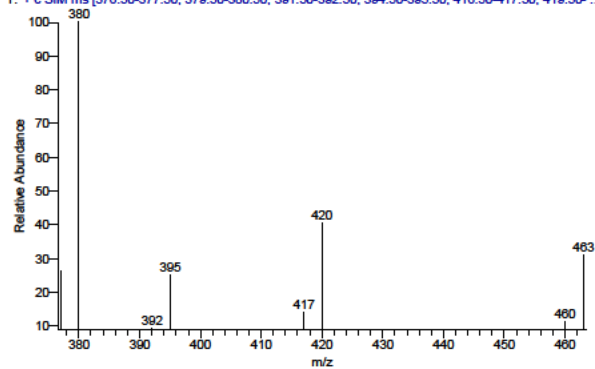


#### THC

RT: 4.25 - 4.40 SM: 9G



STD1 #454 RT: 4.32 AV: 1 NL: 4.03E8  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.50-417.50, 419.50- ...



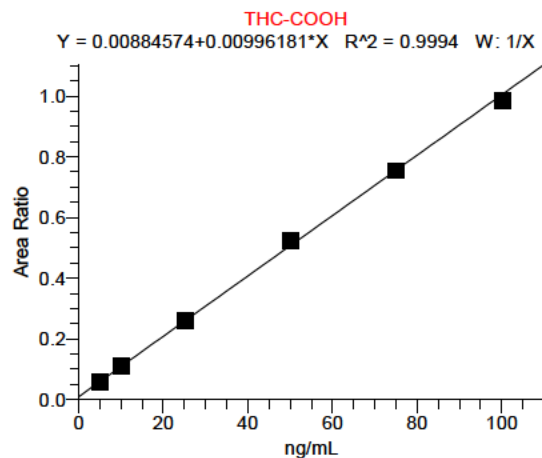
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

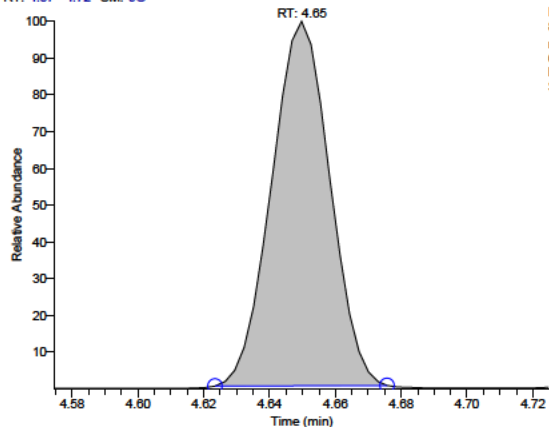
Sample ID: STD1

#### THC-COOH

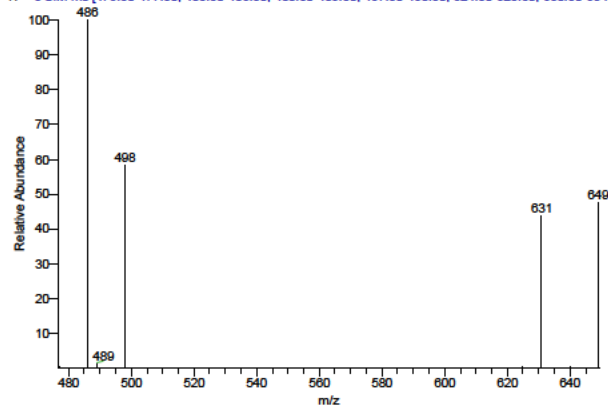


#### THC-COOH-D9

RT: 4.57 - 4.72 SM: 9G

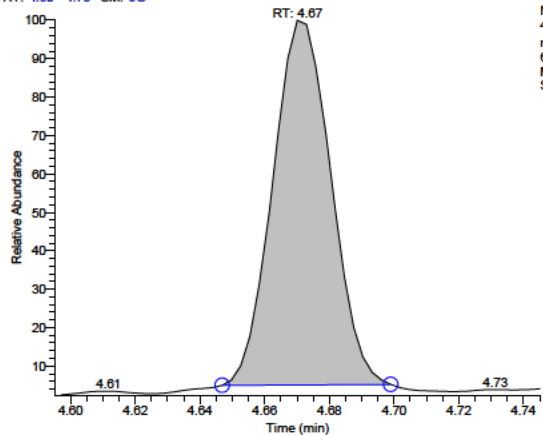


STD1 #565 RT: 4.65 AV: 1 NL: 2.08E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-631.50]

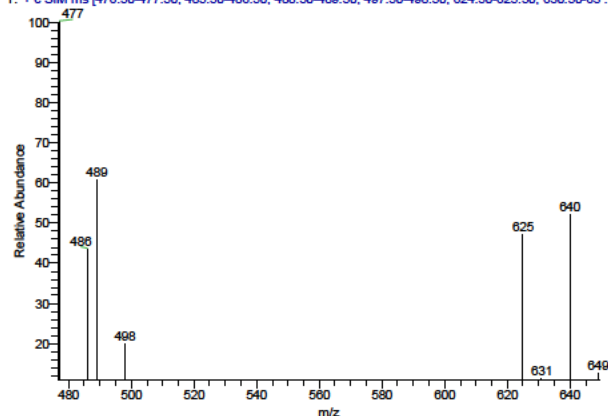


#### THC-COOH

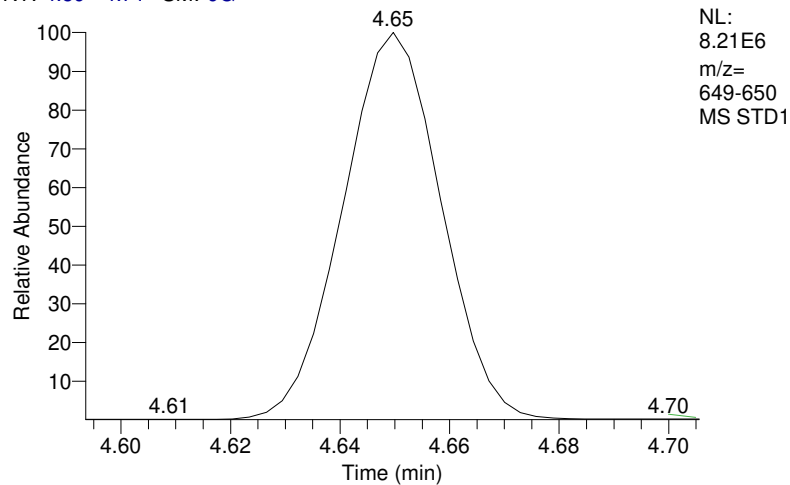
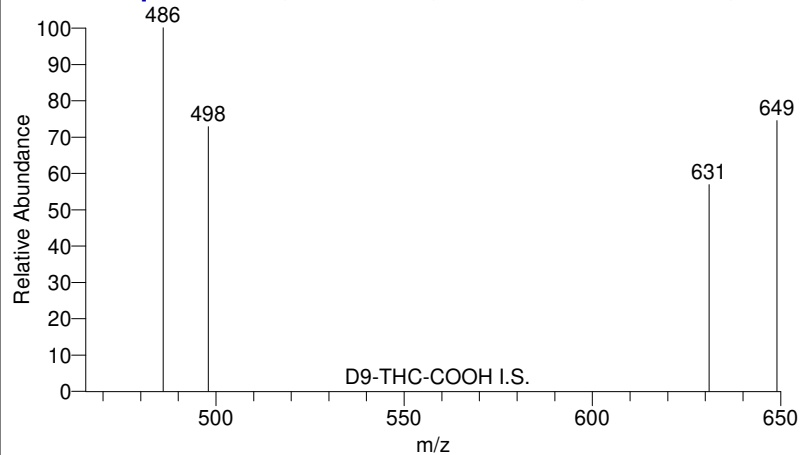
RT: 4.60 - 4.75 SM: 9G



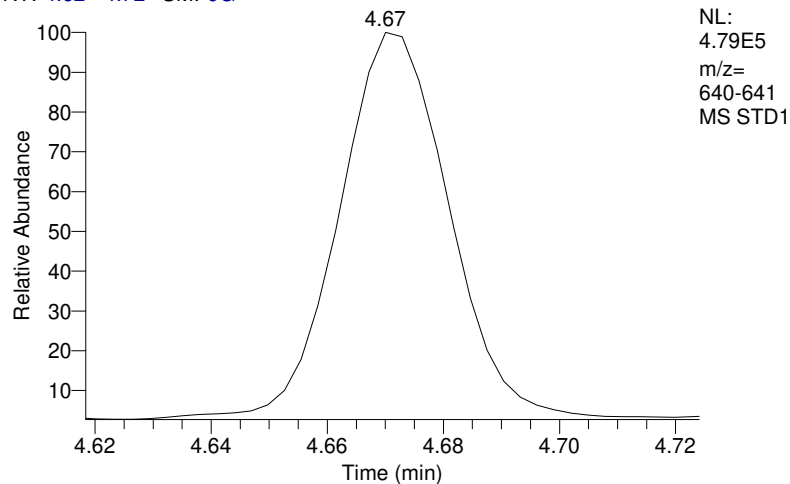
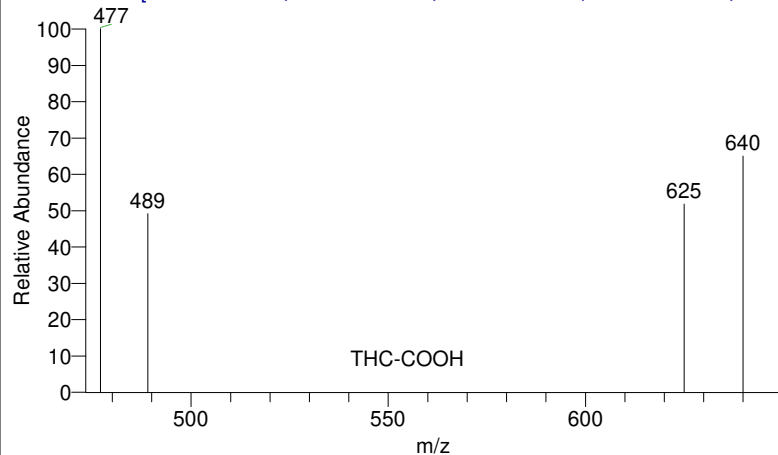
STD1 #572 RT: 4.67 AV: 1 NL: 1.11E8  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-631.50]



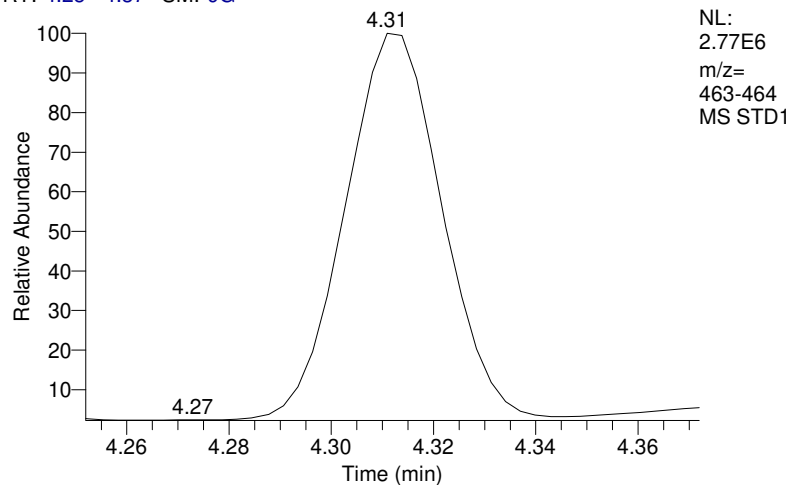
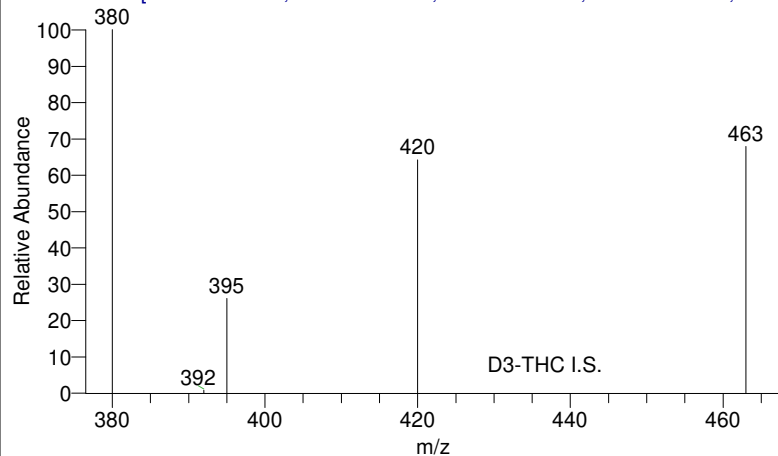
RT: 4.59 - 4.71 SM: 9G

STD1 #562 RT: 4.64 AV: 1 SB: 2 4.63 , 4.67 NL: 5.97E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

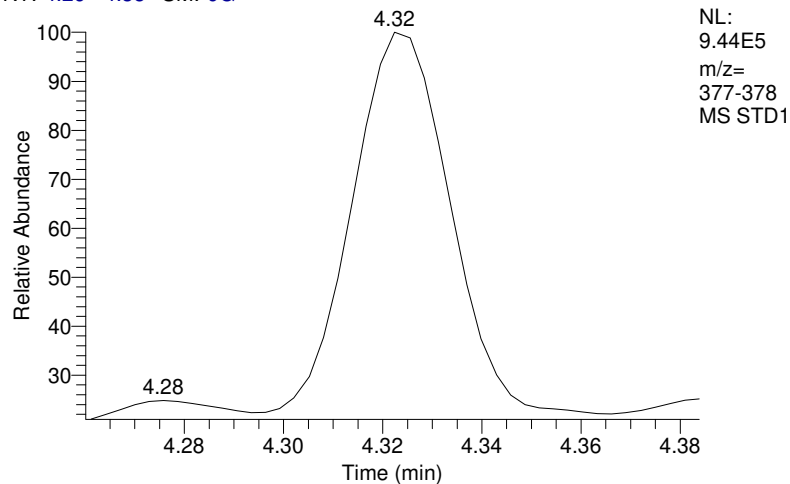
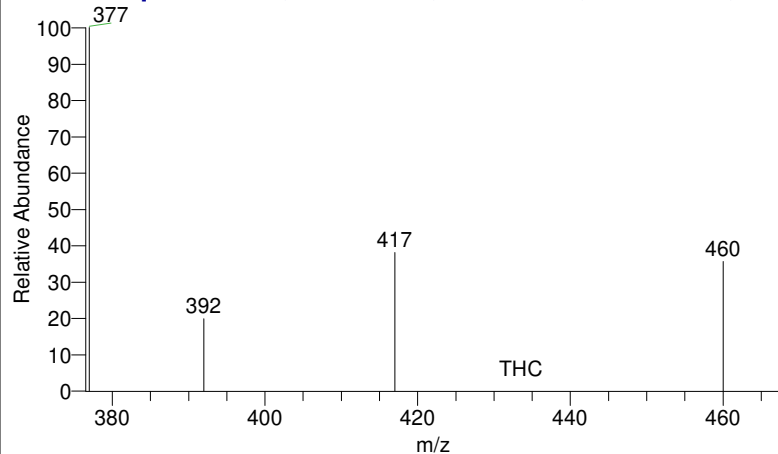
RT: 4.62 - 4.72 SM: 9G

STD1 #571 RT: 4.67 AV: 1 SB: 2 4.65 , 4.69 NL: 7.54E5  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

STD1 #448 RT: 4.31 AV: 1 SB: 2 4.29 , 4.33 NL: 2.89E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

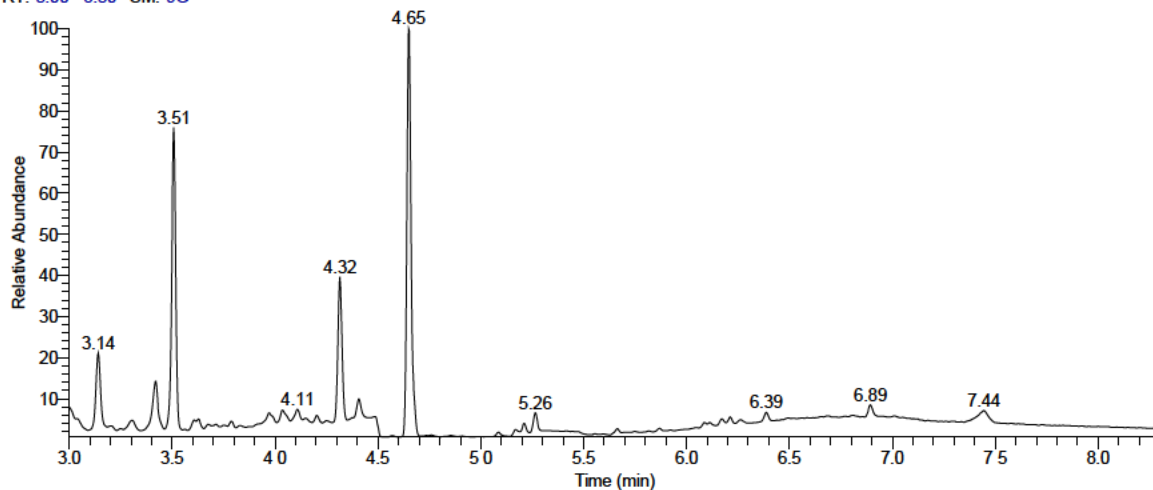
STD1 #456 RT: 4.33 AV: 1 SB: 2 4.31 , 4.34 NL: 6.81E5  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

**Michigan State Police Toxicology Unit**  
**GC/MS Cannabinoid Calibration Report**  
**LS-TX-GCMS6**

**Sample ID: STD2**

**File Name:** STD2  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 09:26:14 AM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:4

RT: 3.00 - 8.30 SM: 9G



NL:  
4.52E7  
TIC MS  
STD2

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Specified Amount | Calculated Amount | % Diff  |
|----------------|------|-------------------|-----------------|----------|------------------|-------------------|---------|
| THC            | 4.32 | Target compound   | Yes             | 2326058  | 2.50             | 2.57              | 2.88630 |
| THC-COOH       | 4.67 | Target compound   | Yes             | 1101550  | 10.00            | 10.12             | 1.19958 |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 10045251 | 100.00           | N/A               | N/A     |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3439926  | 10.00            | N/A               | N/A     |

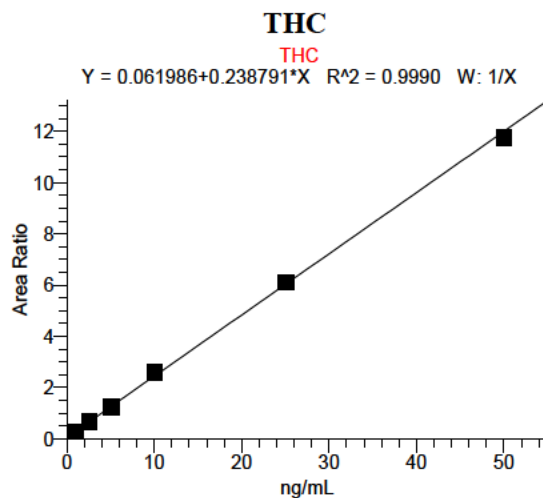
Amounts in ng/mL

# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

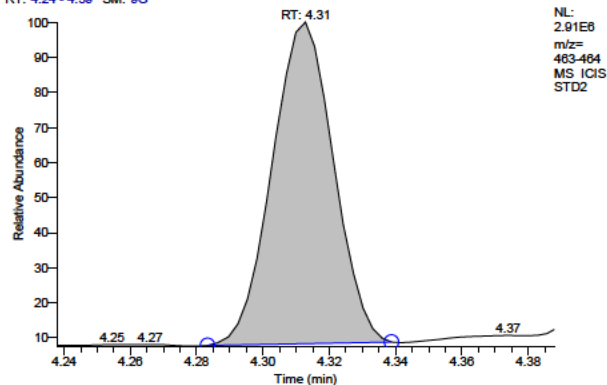
### LS-TX-GCMS6

Sample ID: STD2

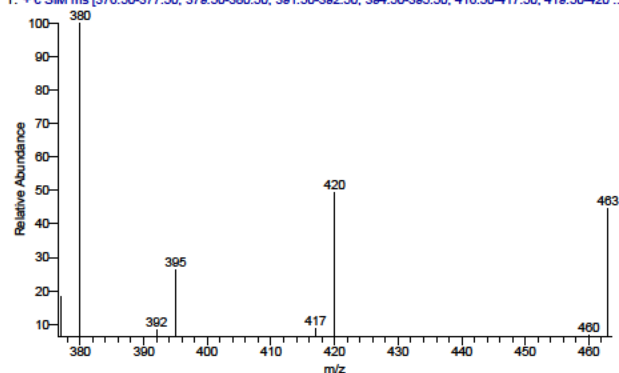


### THC-D3

RT: 4.24 - 4.30 SM: 9G

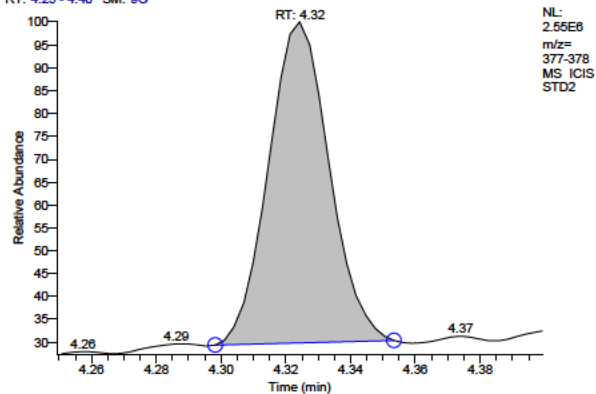


STD2 #451 RT: 4.31 AV: 1 NL: 7.62E8  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.50-417.50, 419.50-420.50]

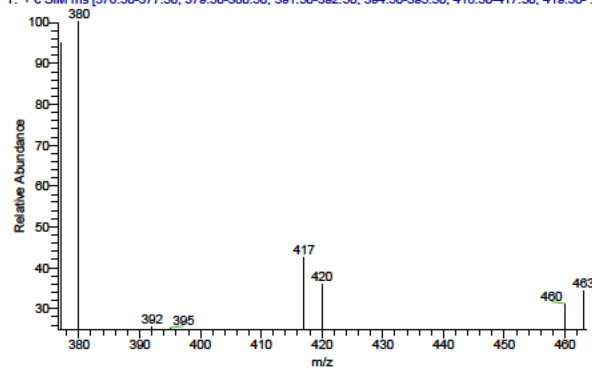


### THC

RT: 4.25 - 4.40 SM: 9G



STD2 #455 RT: 4.32 AV: 1 NL: 3.04E8  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.50-417.50, 419.50-420.50]



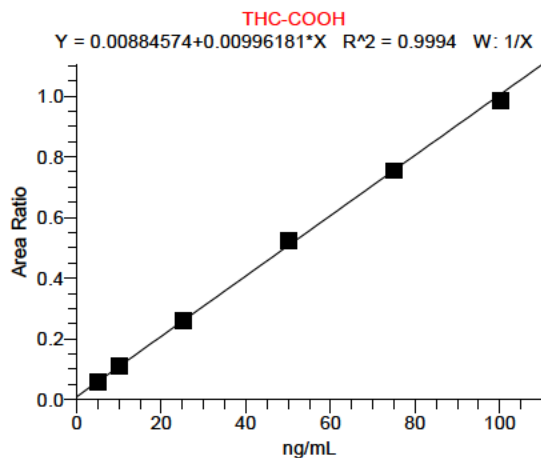
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

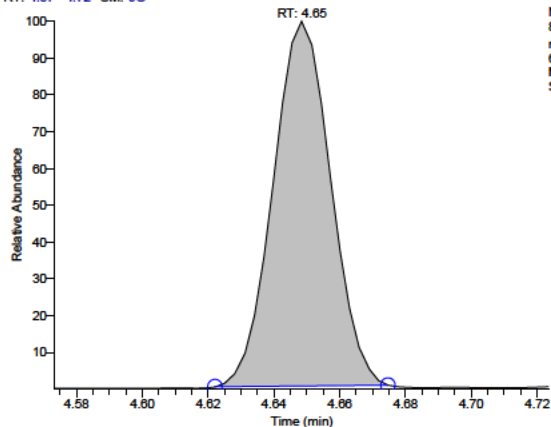
Sample ID: STD2

#### THC-COOH

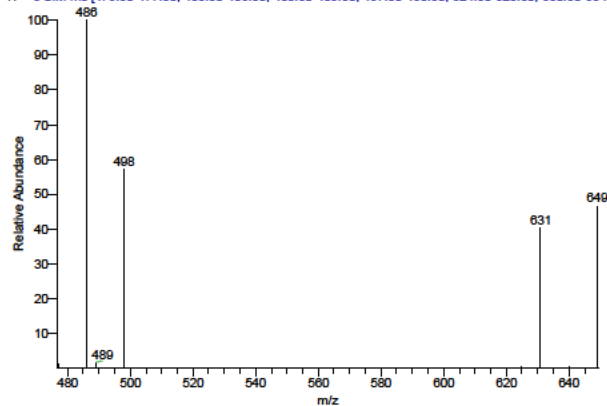


#### THC-COOH-D9

RT: 4.57 - 4.72 SM: 9G

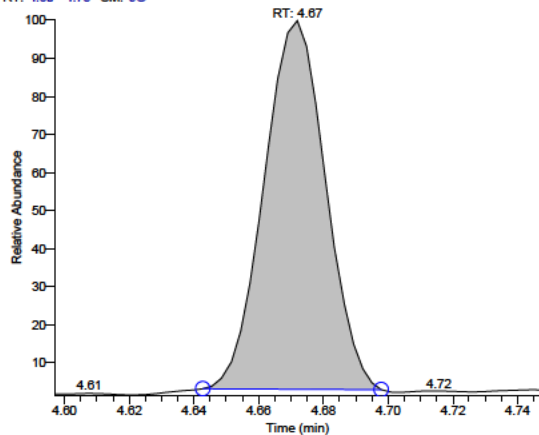


STD2 #565 RT: 4.65 AV: 1 NL: 2.20E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-631.50]

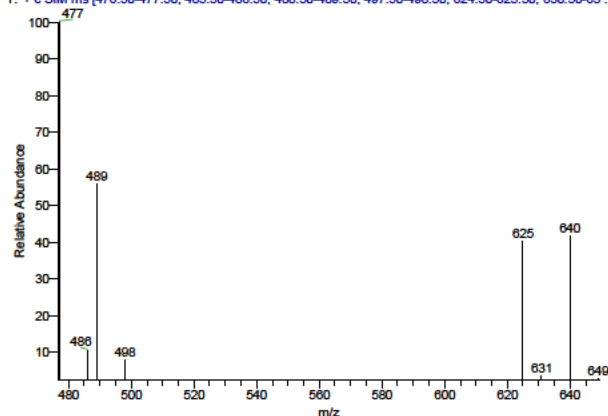


#### THC-COOH

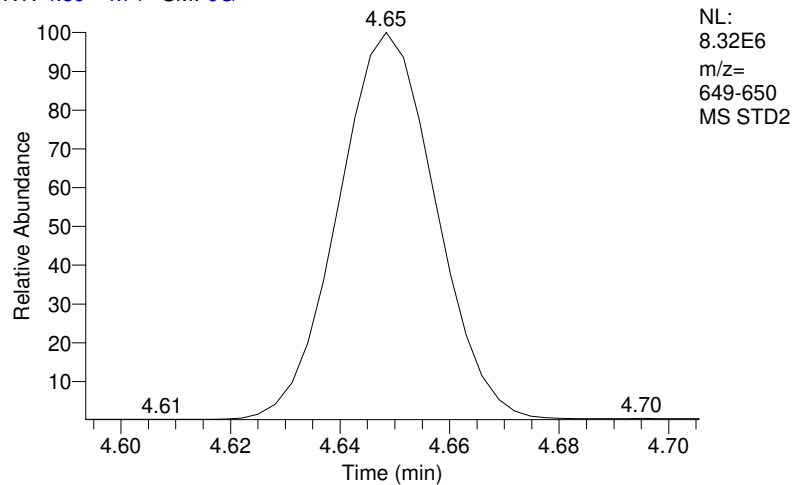
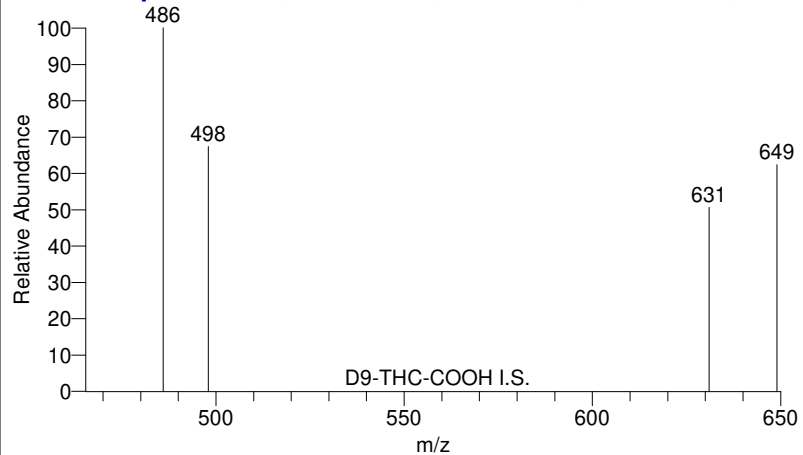
RT: 4.60 - 4.75 SM: 9G



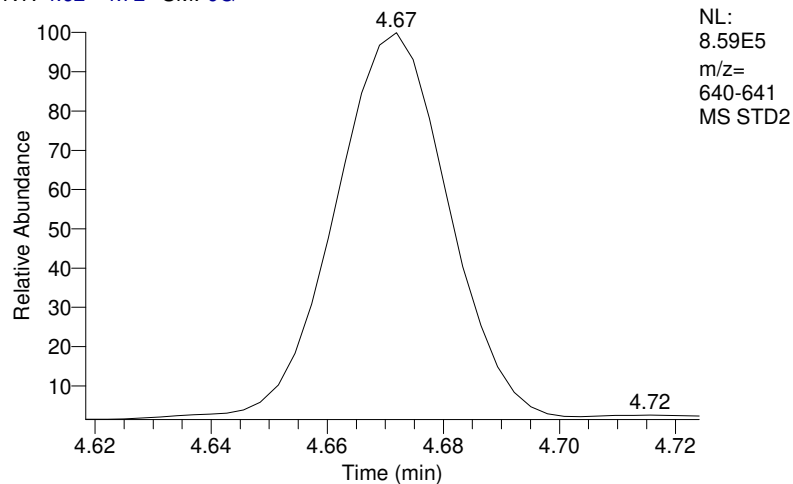
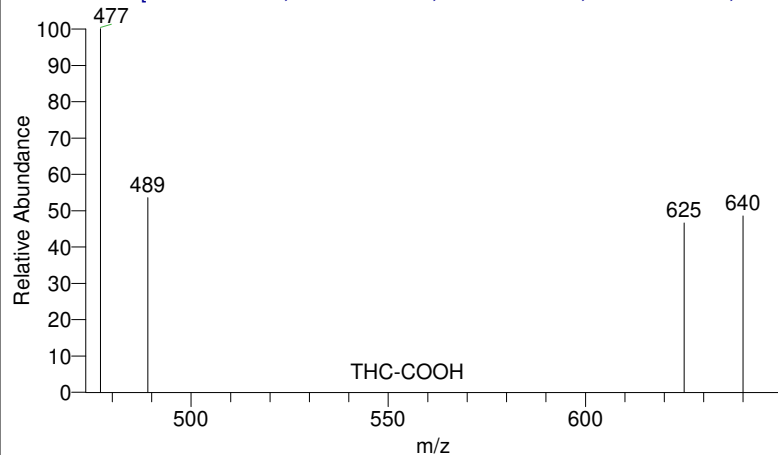
STD2 #573 RT: 4.67 AV: 1 NL: 2.40E8  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-631.50]



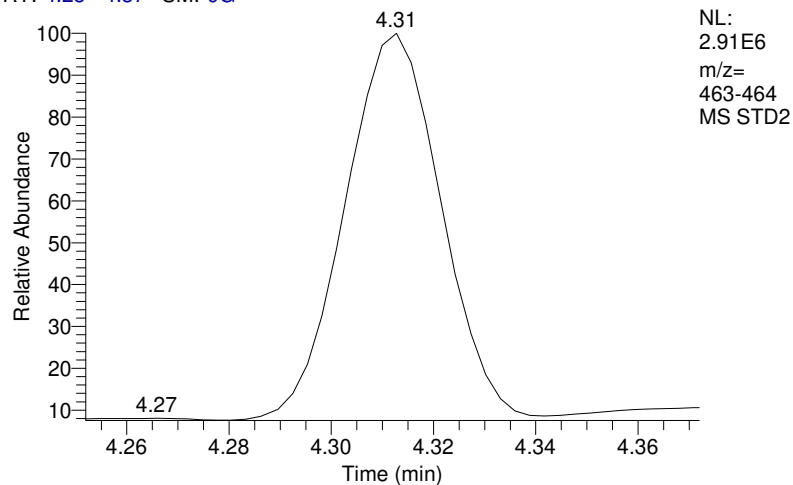
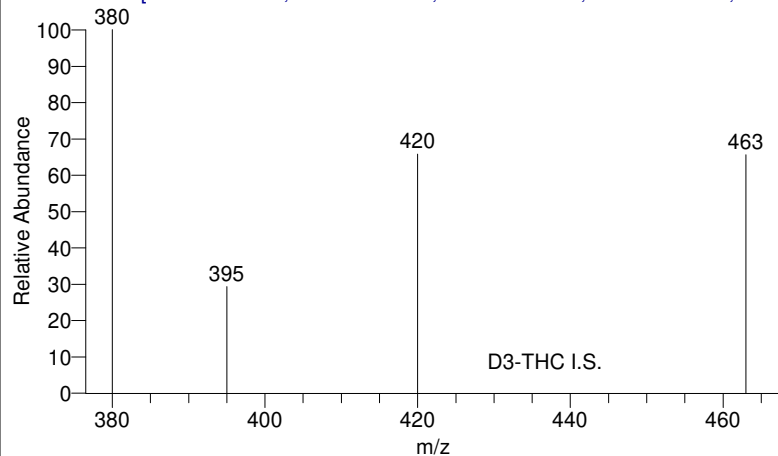
RT: 4.59 - 4.71 SM: 9G

STD2 #563 RT: 4.64 AV: 1 SB: 2 4.63 , 4.67 NL: 1.08E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

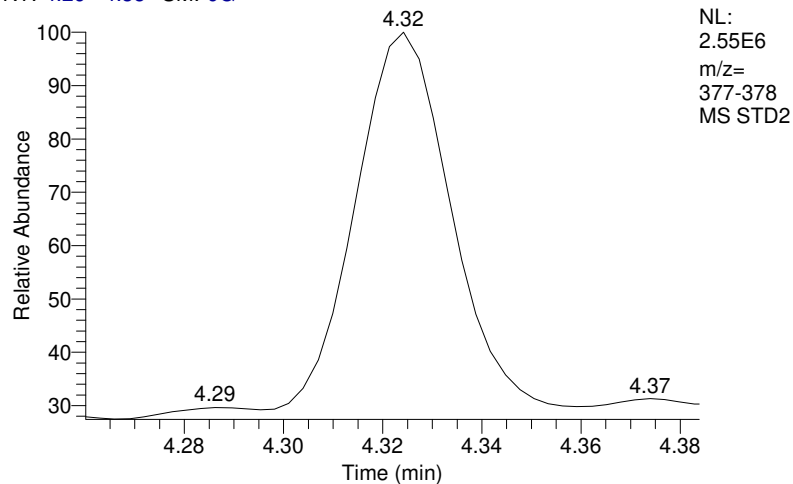
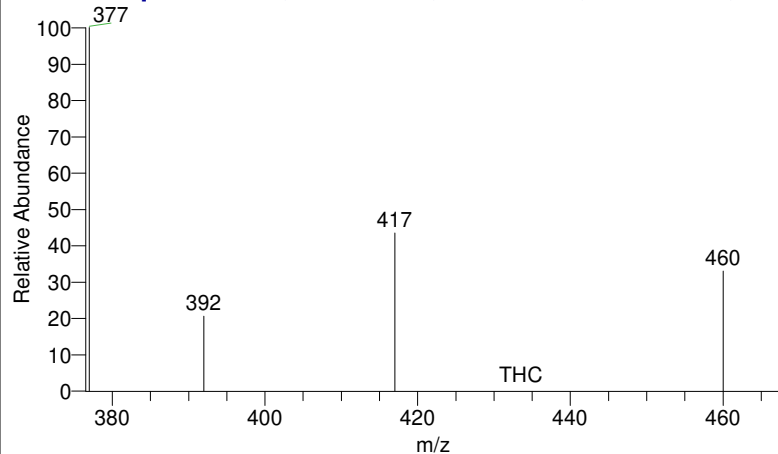
RT: 4.62 - 4.72 SM: 9G

STD2 #572 RT: 4.67 AV: 1 SB: 2 4.65 , 4.69 NL: 1.84E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

STD2 #448 RT: 4.30 AV: 1 SB: 2 4.29 , 4.33 NL: 2.55E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

STD2 #457 RT: 4.33 AV: 1 SB: 2 4.30 , 4.34 NL: 1.41E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...



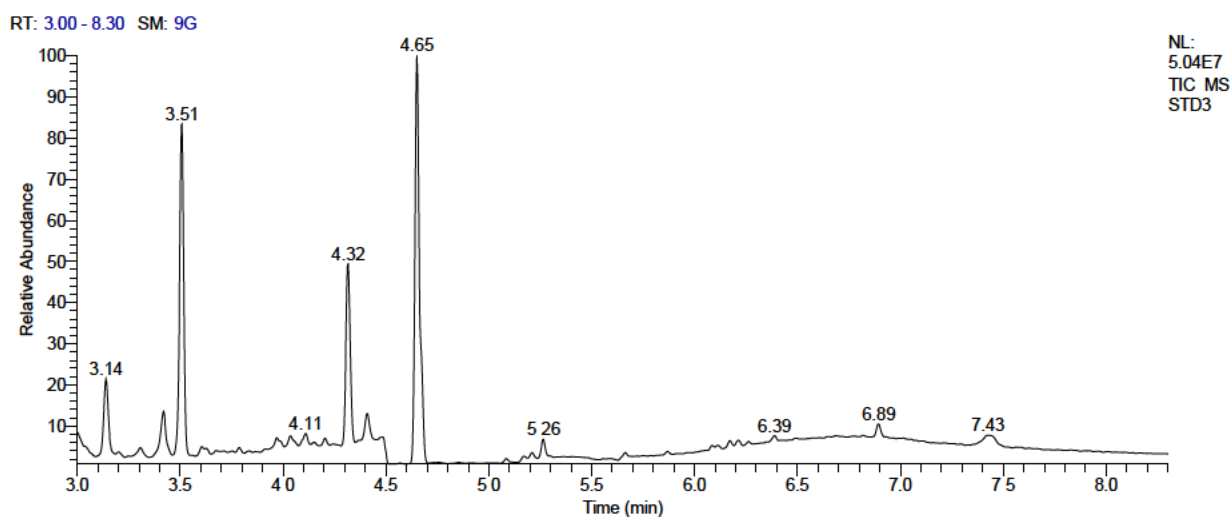
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

**Sample ID: STD3**

**File Name:** STD3  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 09:38:50 AM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:5



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Specified Amount | Calculated Amount | % Diff  |
|----------------|------|-------------------|-----------------|----------|------------------|-------------------|---------|
| THC            | 4.32 | Target compound   | Yes             | 5129927  | 5.00             | 5.02              | 0.40831 |
| THC-COOH       | 4.67 | Target compound   | Yes             | 2847553  | 25.00            | 25.28             | 1.11180 |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 10924406 | 100.00           | N/A               | N/A     |
| THC-D3         | 4.31 | Internal Standard | Yes             | 4068736  | 10.00            | N/A               | N/A     |

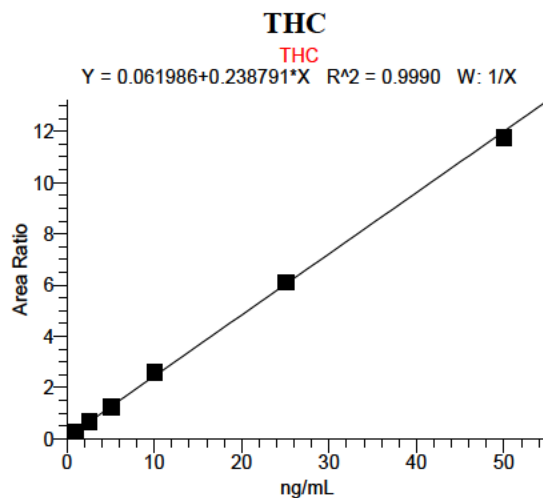
Amounts in ng/mL

# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

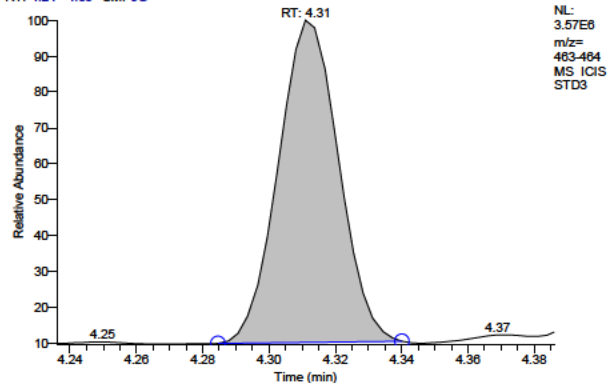
### LS-TX-GCMS6

Sample ID: STD3

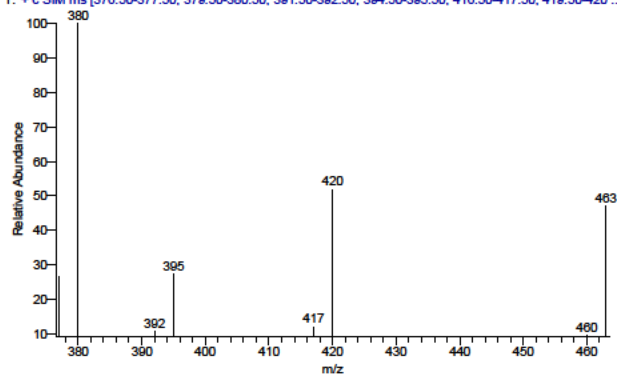


### THC-D3

RT: 4.24 - 4.30 SM: 9G

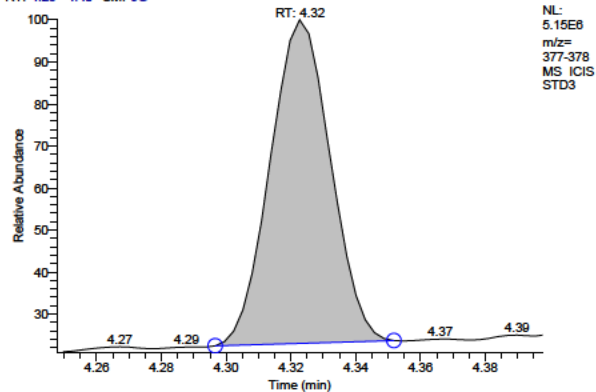


STD3 #450 RT: 4.31 AV: 1 NL: 8.92E8  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.50-417.50, 419.50-420.50]

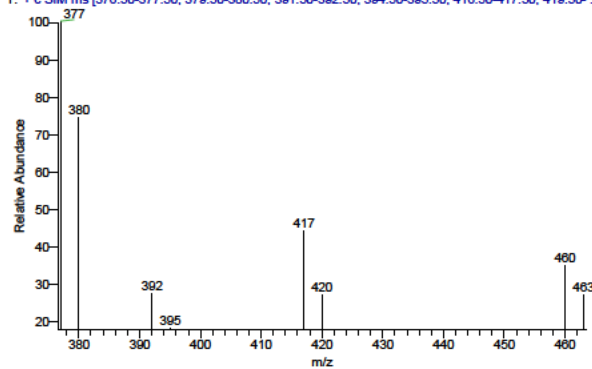


### THC

RT: 4.25 - 4.40 SM: 9G



STD3 #454 RT: 4.32 AV: 1 NL: 5.84E8  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.50-417.50, 419.50-420.50]



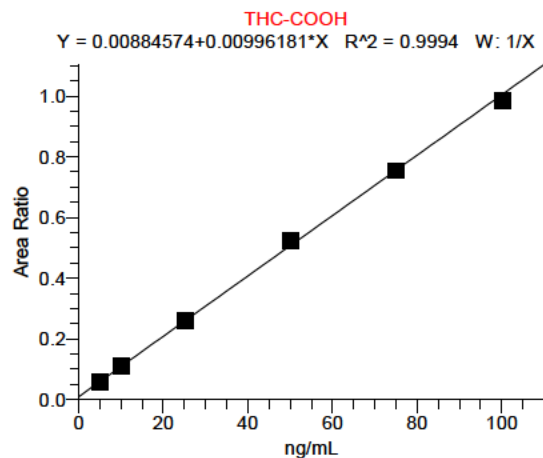
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

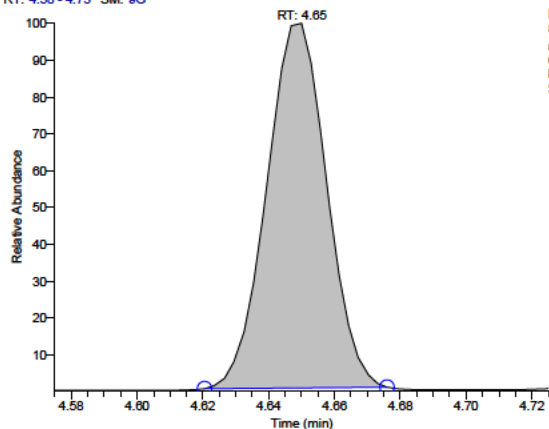
Sample ID: STD3

#### THC-COOH

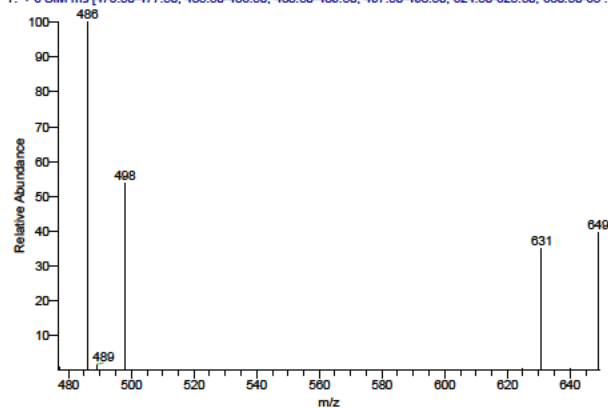


#### THC-COOH-D9

RT: 4.58 - 4.73 SM: 9G

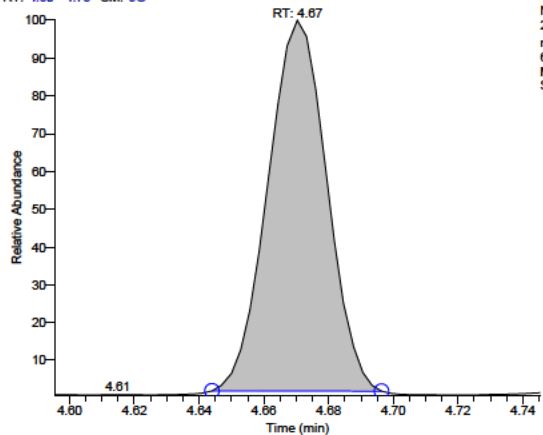


STD3 #565 RT: 4.65 AV: 1 NL: 2.63E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-631.50, ...]

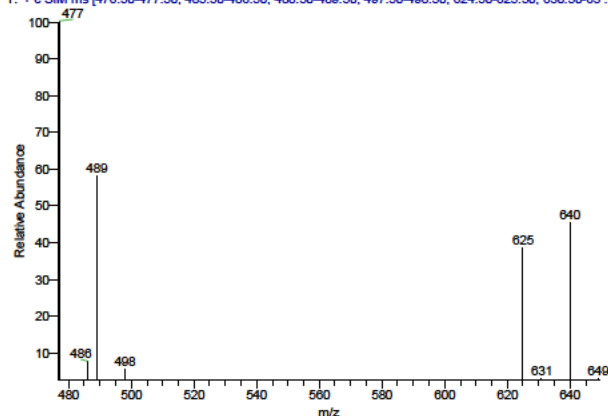


#### THC-COOH

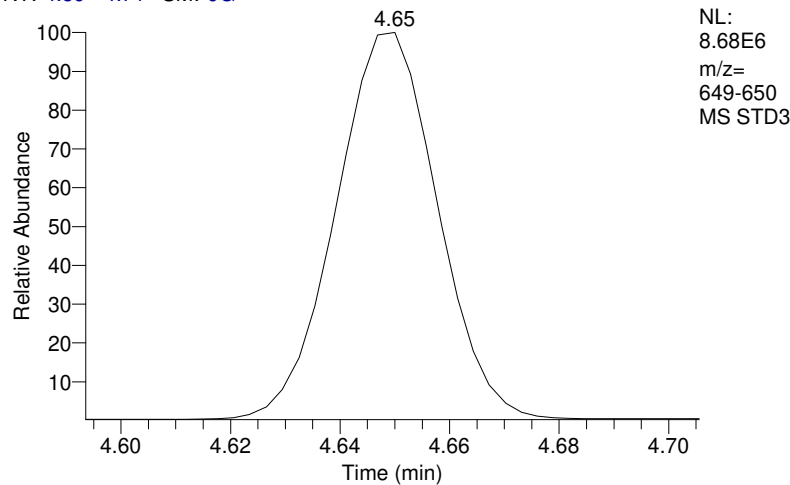
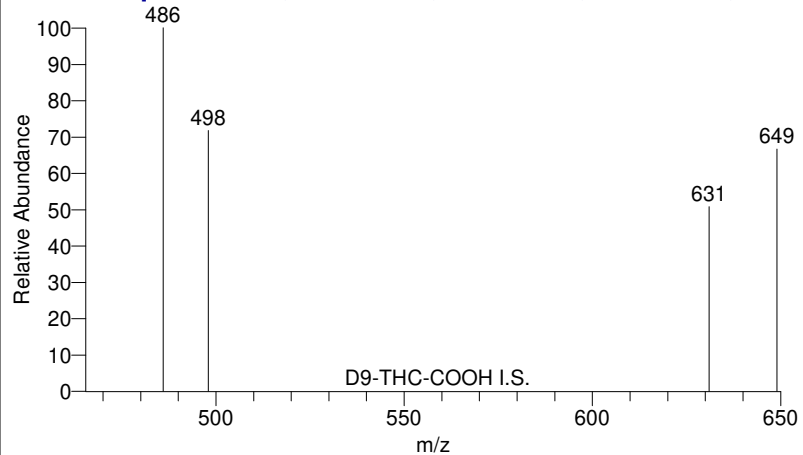
RT: 4.60 - 4.75 SM: 9G



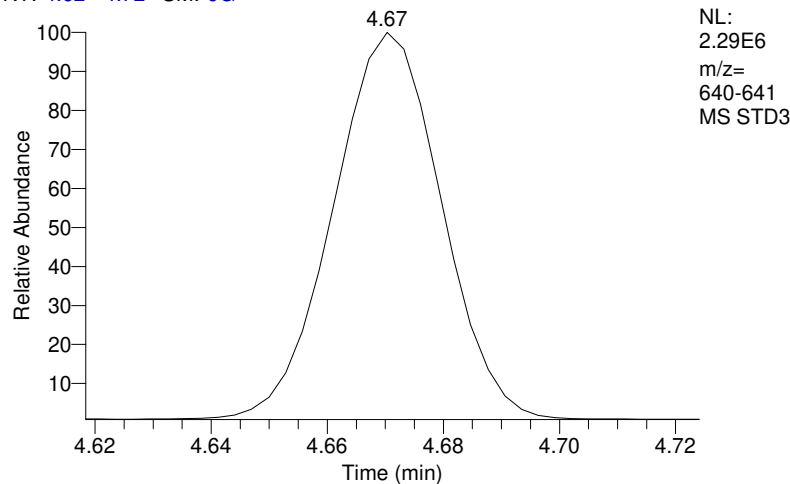
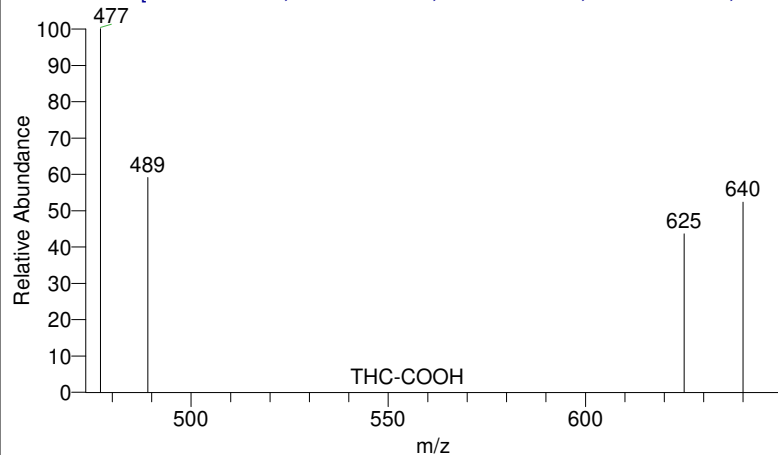
STD3 #572 RT: 4.67 AV: 1 NL: 6.03E8  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-631.50, ...]



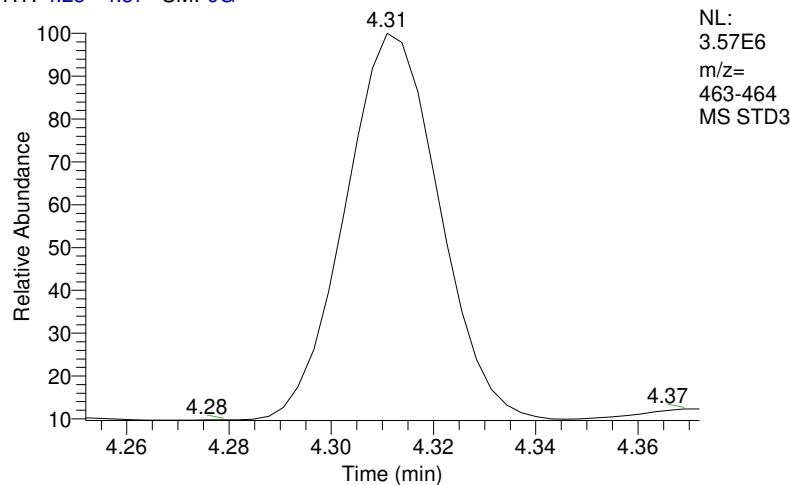
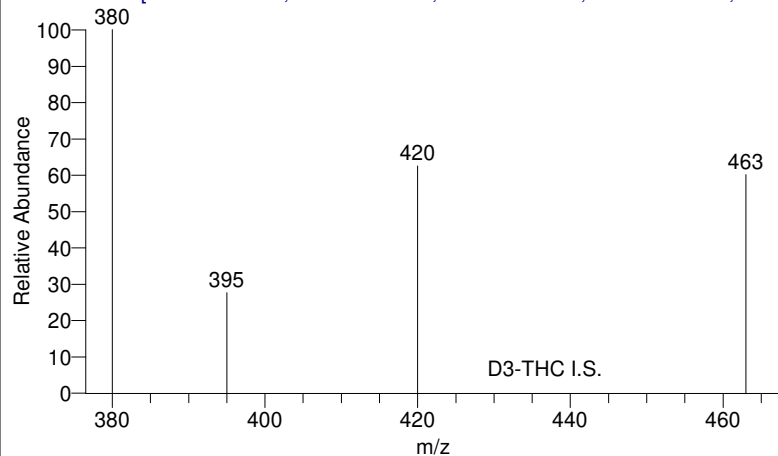
RT: 4.59 - 4.71 SM: 9G

STD3 #562 RT: 4.64 AV: 1 SB: 2 4.63 , 4.67 NL: 8.52E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

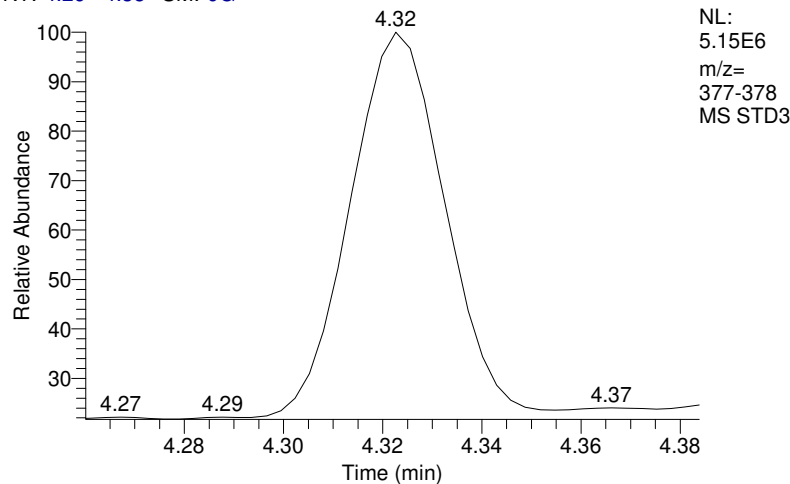
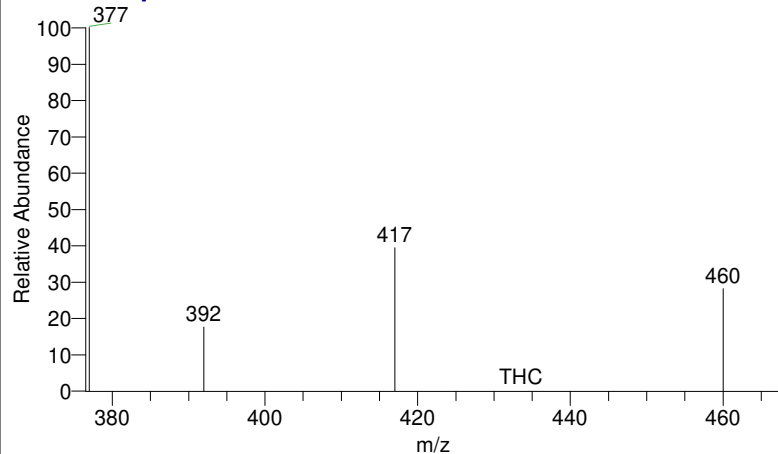
RT: 4.62 - 4.72 SM: 9G

STD3 #571 RT: 4.67 AV: 1 SB: 2 4.65 , 4.69 NL: 4.48E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

STD3 #448 RT: 4.31 AV: 1 SB: 2 4.29 , 4.33 NL: 3.95E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

STD3 #457 RT: 4.33 AV: 1 SB: 2 4.31 , 4.34 NL: 2.37E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

# Michigan State Police Toxicology Unit

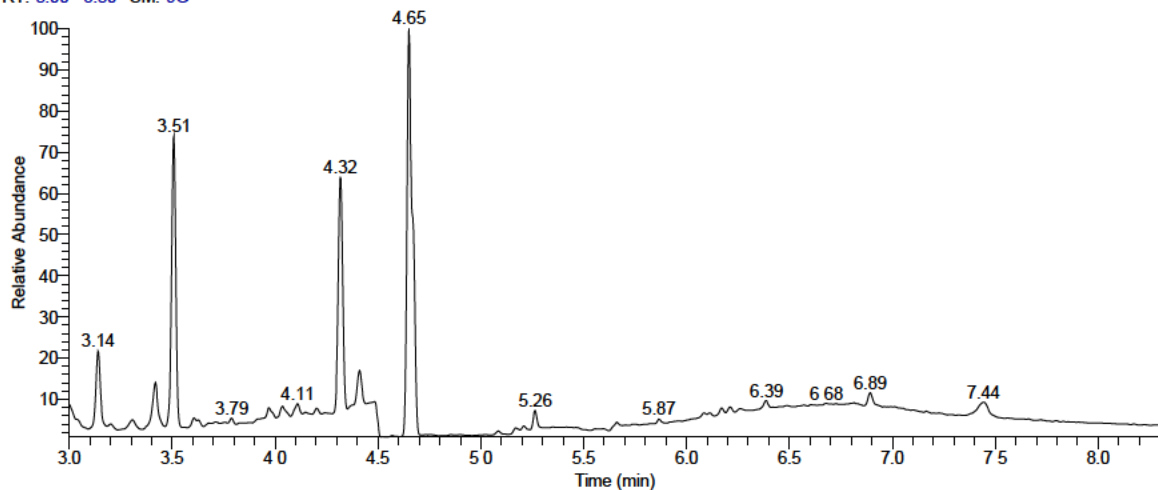
## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

**Sample ID: STD4**

**File Name:** STD4  
**Data Path:** C:\Xcalibur\Data\SK\THC\08312022  
**Acquisition Date:** 08/31/22 09:51:24 AM  
**Instrument Method:** C:\Xcalibur\methods\THC SIM #6  
**Position:** Tray1:6

RT: 3.00 - 8.30 SM: 9G



NL:  
 5.05E7  
 TIC MS  
 STD4

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Specified Amount | Calculated Amount | % Diff  |
|----------------|------|-------------------|-----------------|----------|------------------|-------------------|---------|
| THC            | 4.32 | Target compound   | Yes             | 10417648 | 10.00            | 10.60             | 6.02685 |
| THC-COOH       | 4.67 | Target compound   | Yes             | 5589356  | 50.00            | 51.77             | 3.53979 |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 10655171 | 100.00           | N/A               | N/A     |
| THC-D3         | 4.31 | Internal Standard | Yes             | 4016347  | 10.00            | N/A               | N/A     |

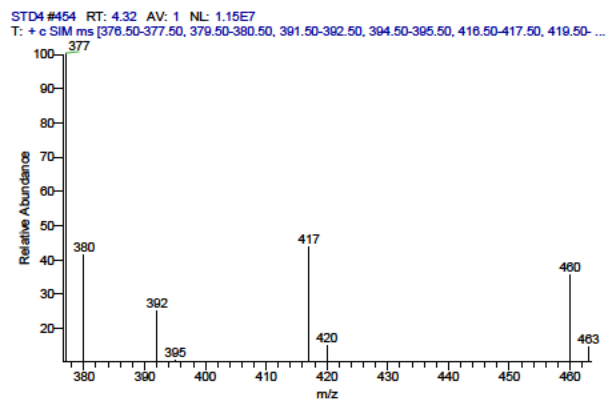
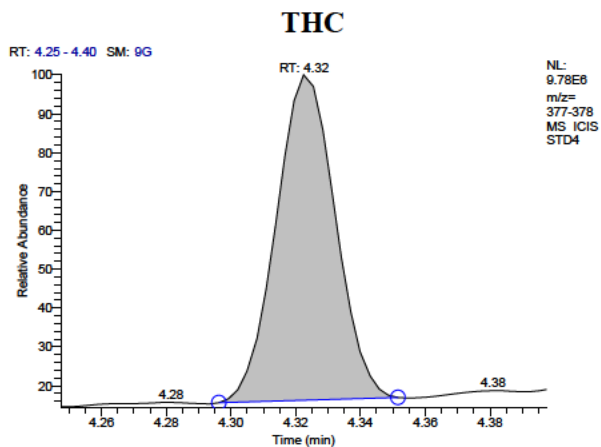
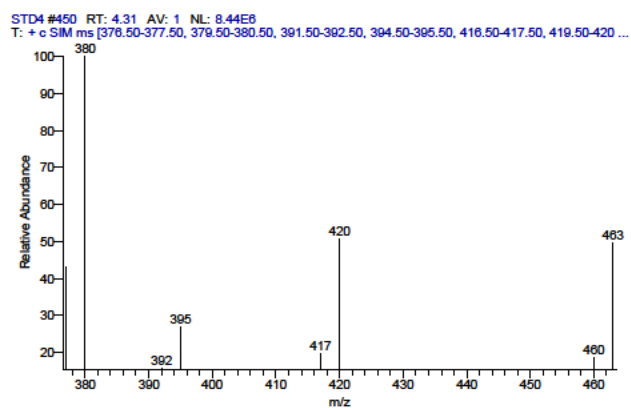
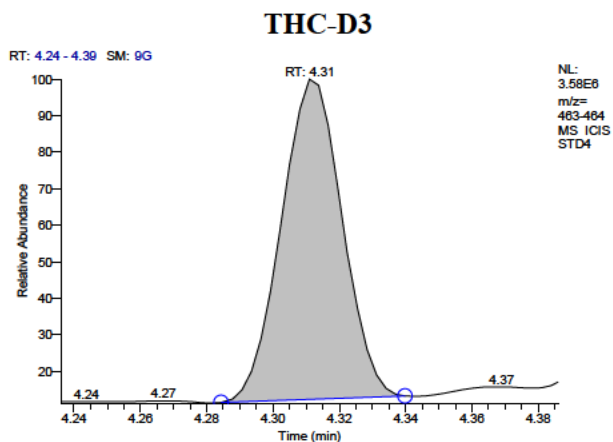
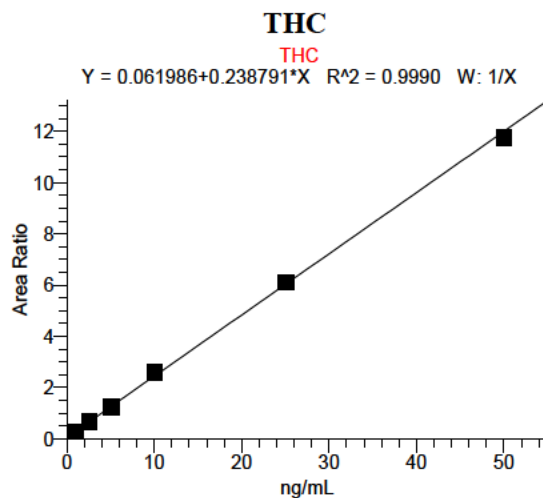
Amounts in ng/mL

# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

Sample ID: STD4



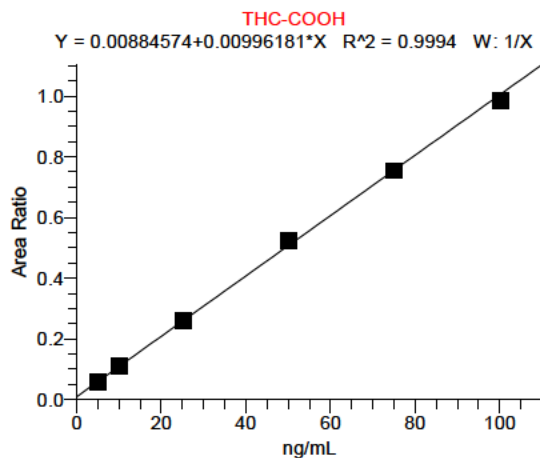
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

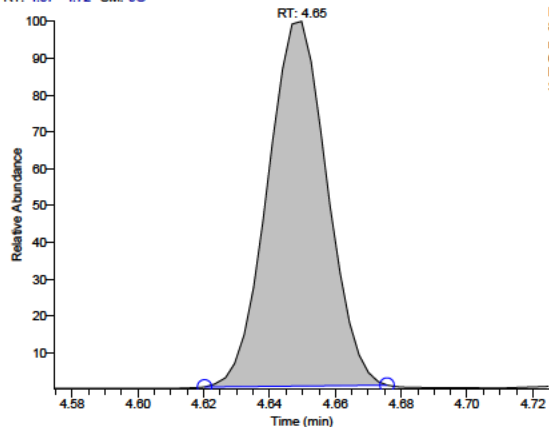
Sample ID: STD4

#### THC-COOH



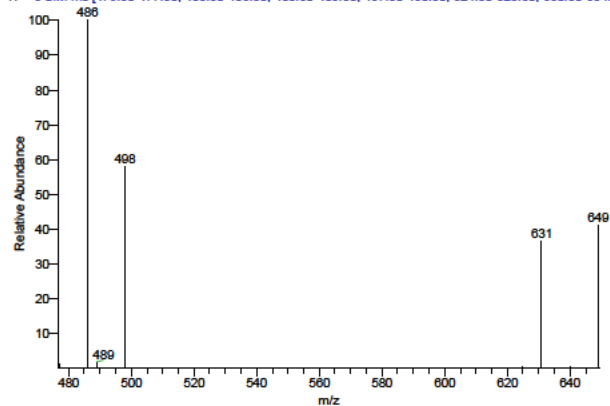
#### THC-COOH-D9

RT: 4.57 - 4.72 SM: 9G



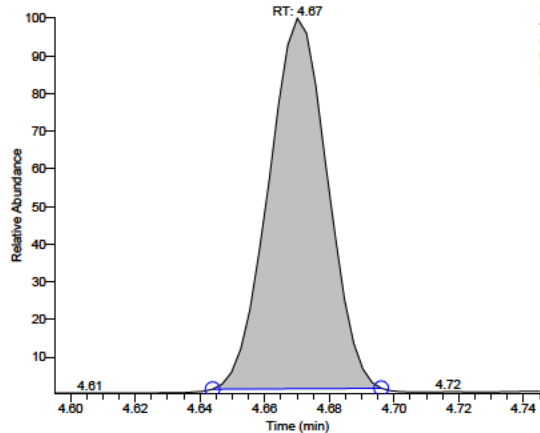
NL:  
8.57E8  
m/z=  
640-660  
MS ICIS  
STD4

STD4 #565 RT: 4.65 AV: 1 NL: 2.51E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-63 ...



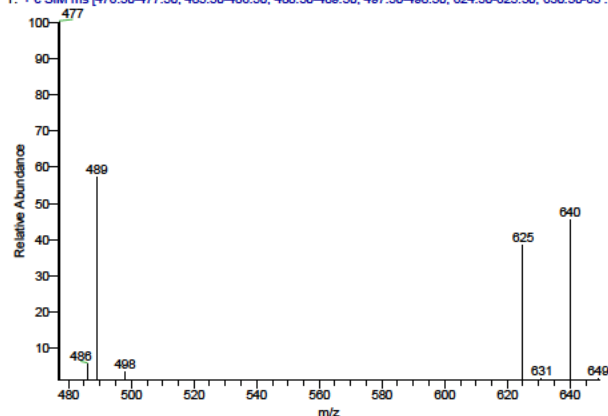
#### THC-COOH

RT: 4.60 - 4.75 SM: 9G

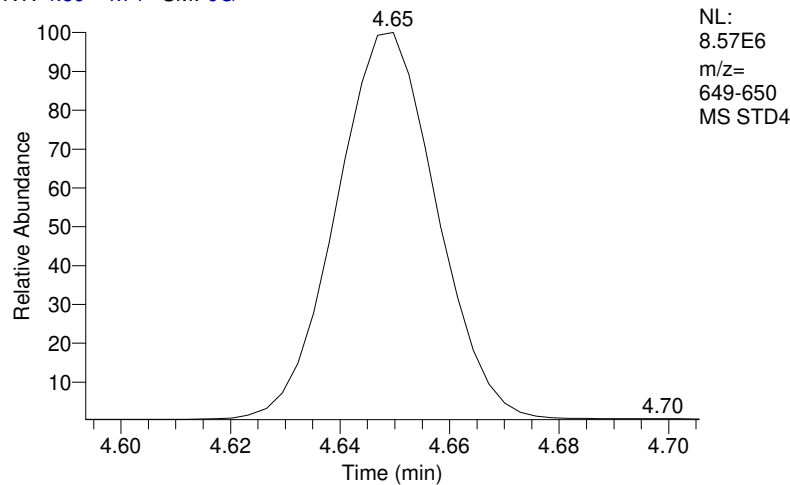
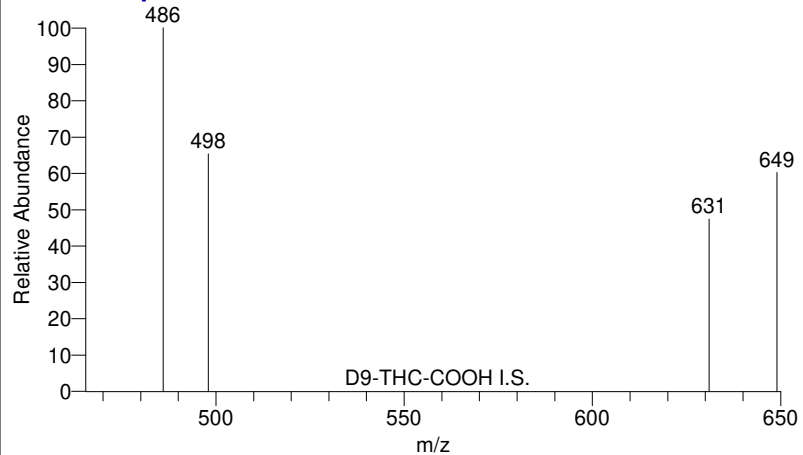


NL:  
4.49E8  
m/z=  
640-641  
MS ICIS  
STD4

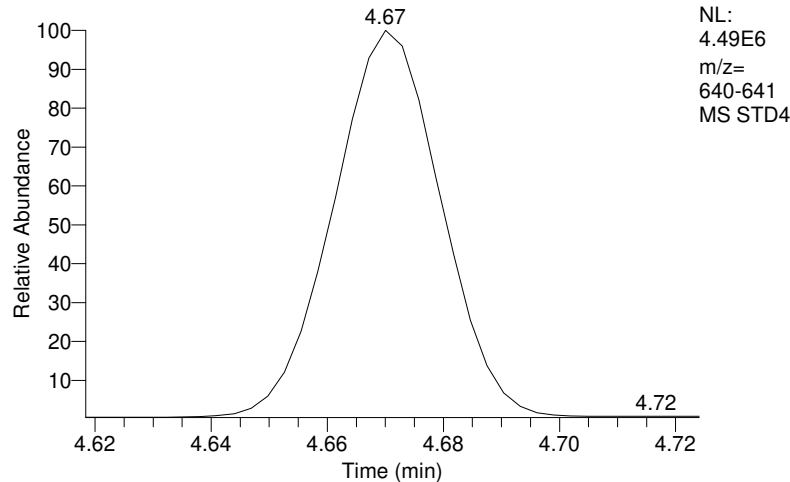
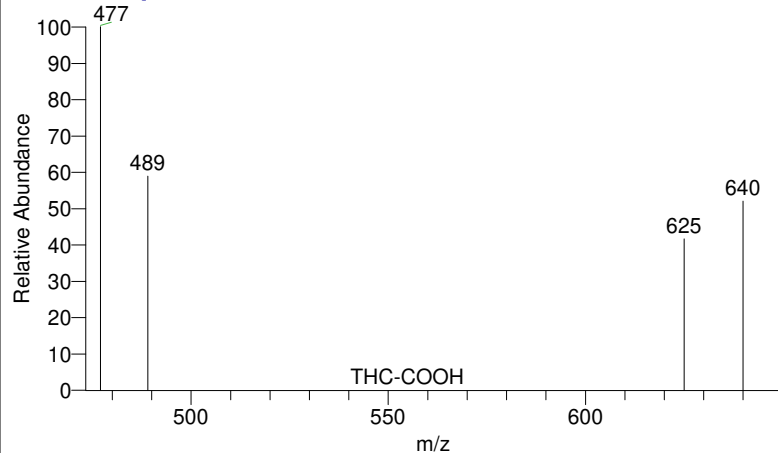
STD4 #572 RT: 4.67 AV: 1 NL: 1.18E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-63 ...



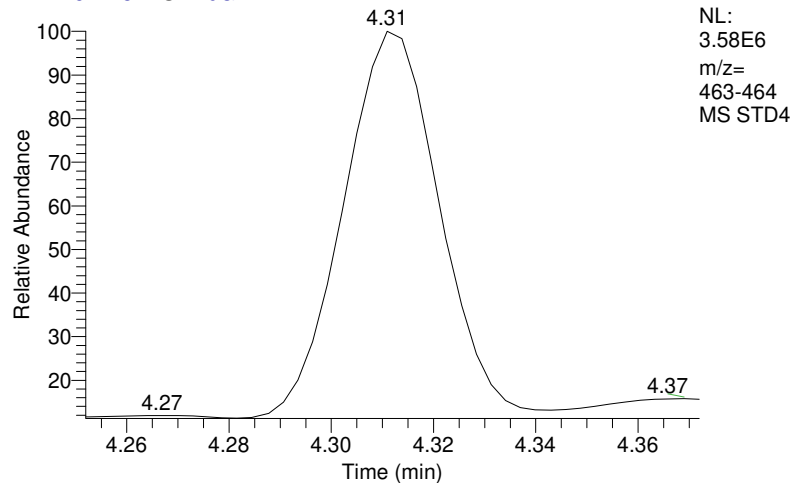
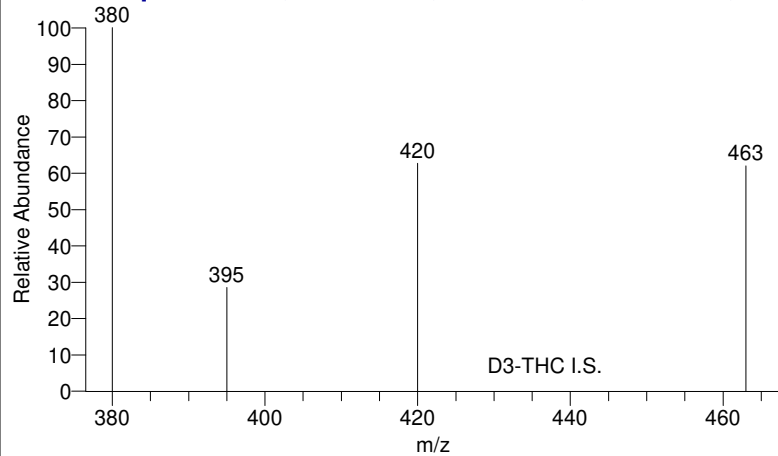
RT: 4.59 - 4.71 SM: 9G

STD4 #562 RT: 4.64 AV: 1 SB: 2 4.63 , 4.67 NL: 9.00E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

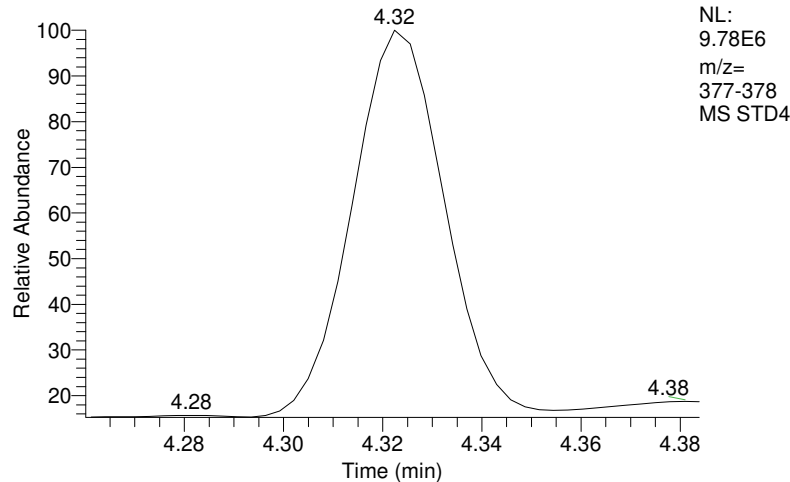
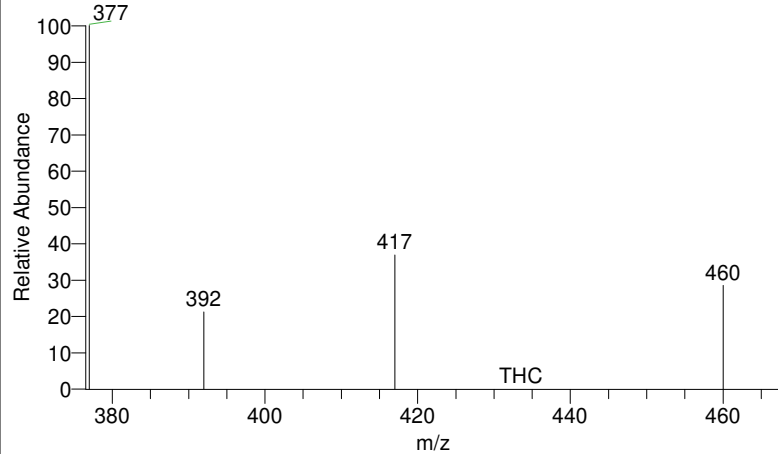
RT: 4.62 - 4.72 SM: 9G

STD4 #571 RT: 4.67 AV: 1 SB: 2 4.65 , 4.69 NL: 8.88E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

STD4 #448 RT: 4.30 AV: 1 SB: 2 4.29 , 4.33 NL: 3.65E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

STD4 #457 RT: 4.33 AV: 1 SB: 2 4.30 , 4.34 NL: 4.85E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...



# Michigan State Police Toxicology Unit

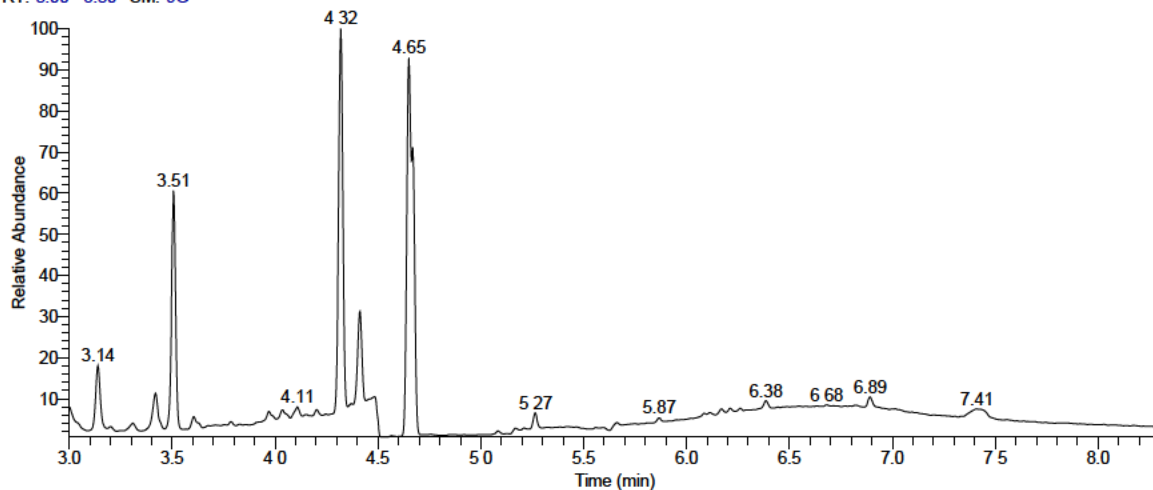
## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

**Sample ID: STD5**

**File Name:** STD5  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 10:03:56 AM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:7

RT: 3.00 - 8.30 SM: 9G



NL:  
 6.38E7  
 TIC MS  
 STD5

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Specified Amount | Calculated Amount | % Diff   |
|----------------|------|-------------------|-----------------|----------|------------------|-------------------|----------|
| THC            | 4.32 | Target compound   | Yes             | 27919099 | 25.00            | 25.38             | 1.51432  |
| THC-COOH       | 4.67 | Target compound   | Yes             | 9574187  | 75.00            | 74.92             | -0.11033 |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 12678407 | 100.00           | N/A               | N/A      |
| THC-D3         | 4.31 | Internal Standard | Yes             | 4560333  | 10.00            | N/A               | N/A      |

Amounts in ng/mL

# Michigan State Police Toxicology Unit

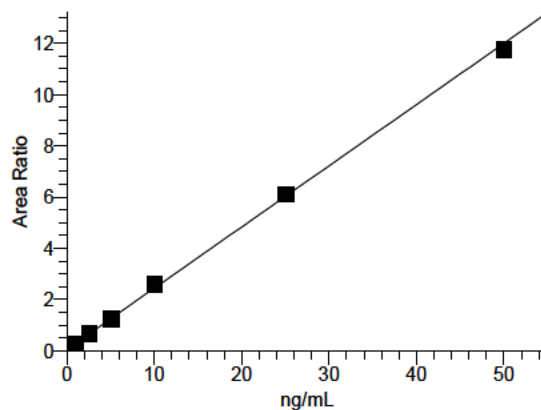
## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

Sample ID: STD5

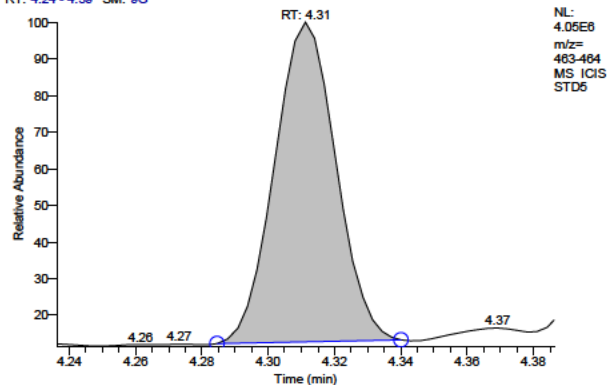
THC

$Y = 0.061986 + 0.238791 \cdot X$   $R^2 = 0.9990$   $W: 1/X$

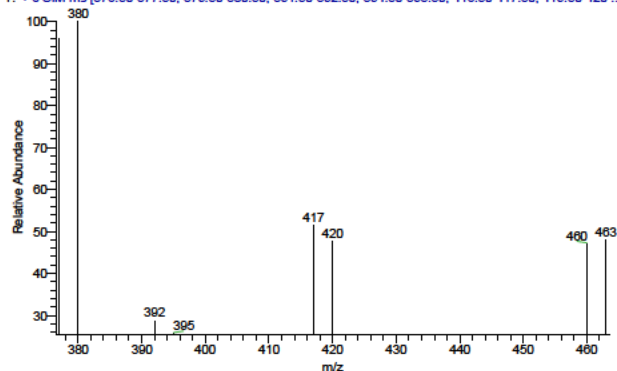


THC-D3

RT: 4.24 - 4.30 SM: 9G

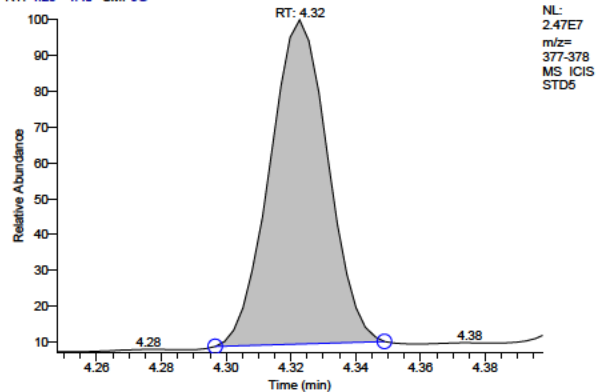


STD5 #450 RT: 4.31 AV: 1 NL: 9.80E8  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.50-417.50, 419.50-420.50]

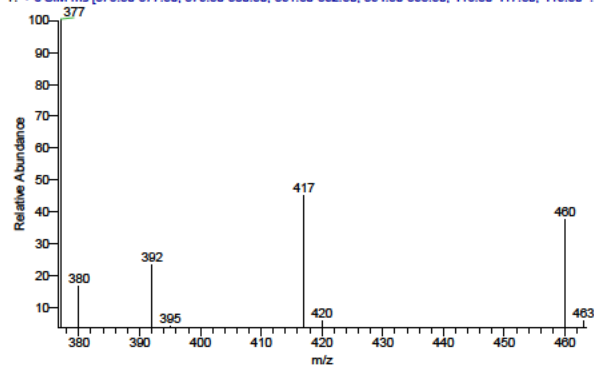


THC

RT: 4.25 - 4.40 SM: 9G



STD5 #454 RT: 4.32 AV: 1 NL: 2.94E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.50-417.50, 419.50-420.50]



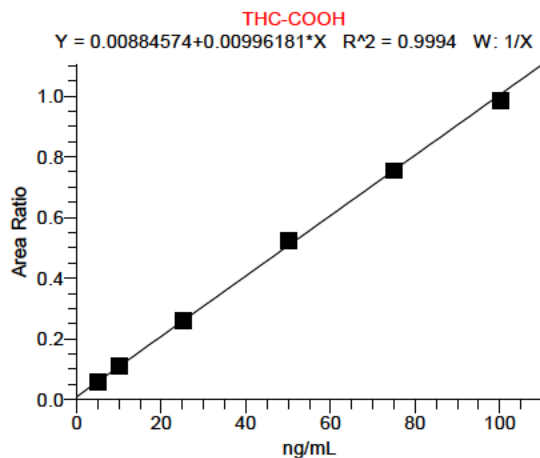
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

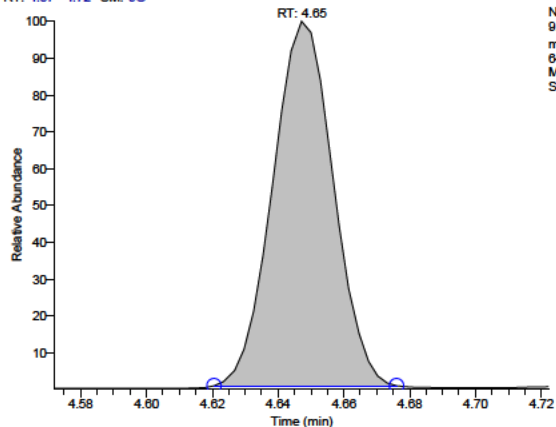
Sample ID: STD5

#### THC-COOH

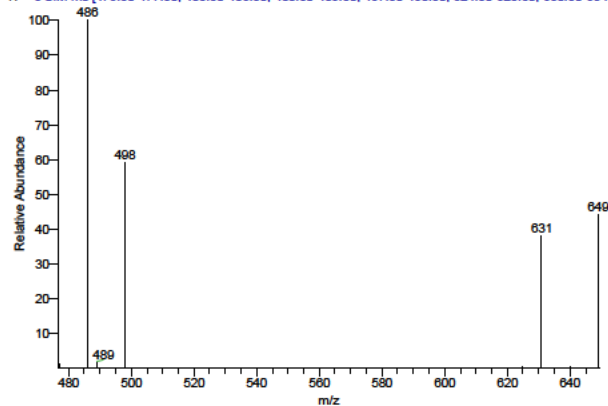


#### THC-COOH-D9

RT: 4.57 - 4.72 SM: 9G

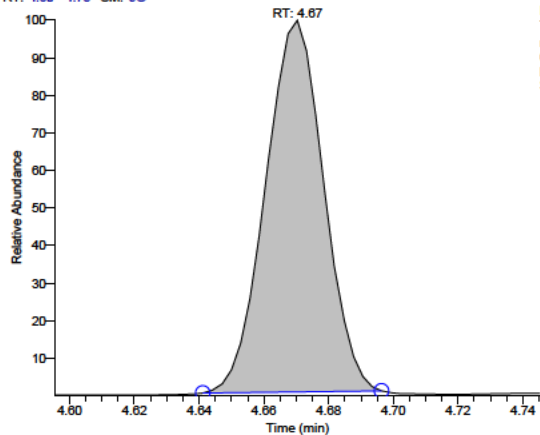


STD5 #564 RT: 4.65 AV: 1 NL: 2.69E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-63 ...

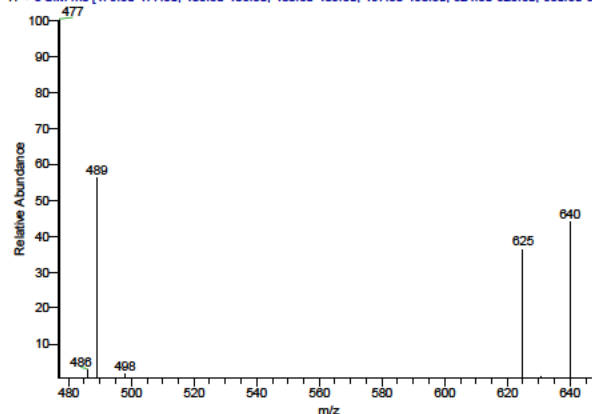


#### THC-COOH

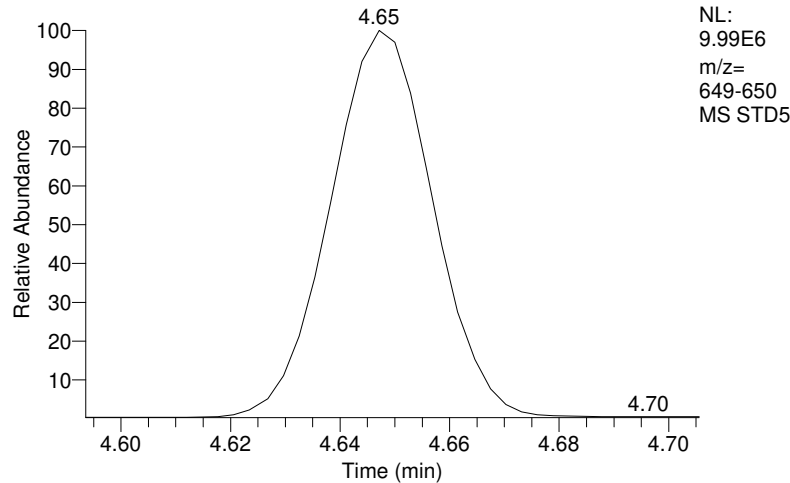
RT: 4.60 - 4.75 SM: 9G



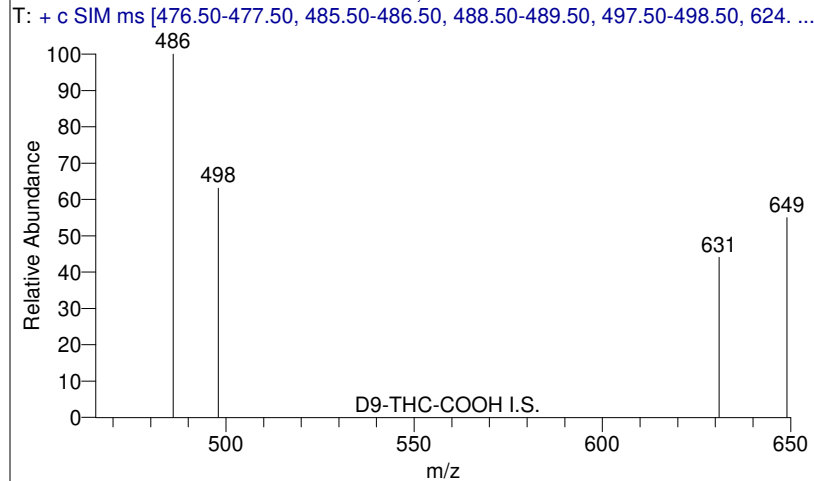
STD5 #572 RT: 4.67 AV: 1 NL: 2.15E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-63 ...



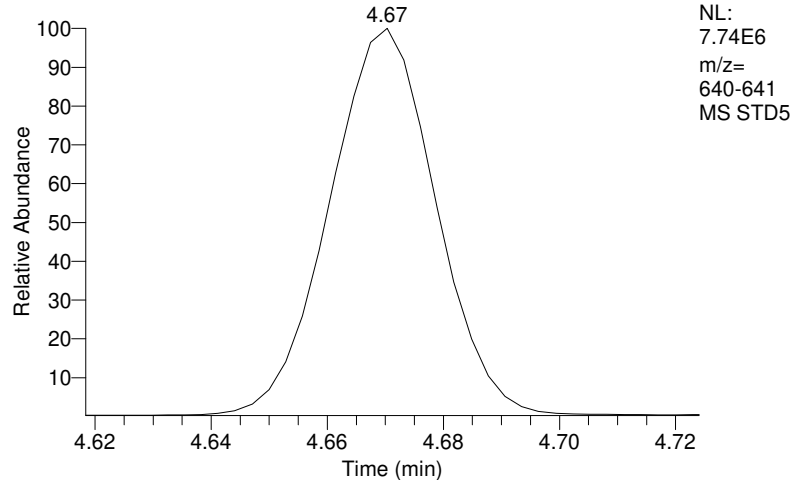
RT: 4.59 - 4.71 SM: 9G



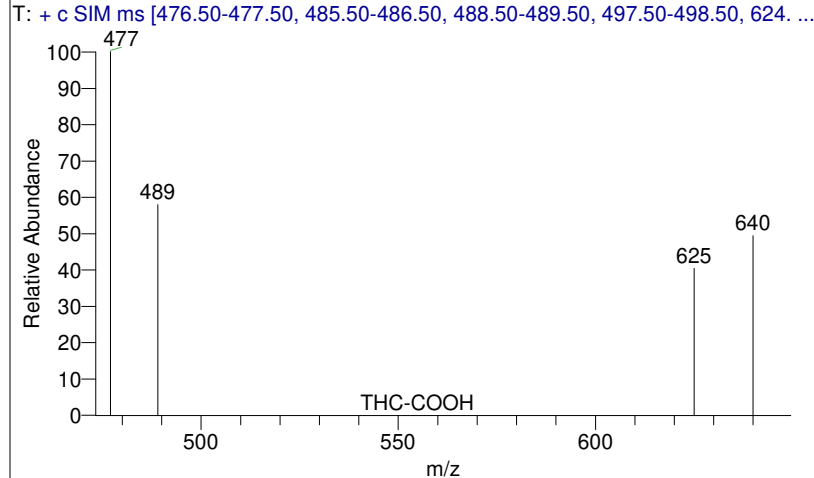
STD5 #562 RT: 4.64 AV: 1 SB: 2 4.63 , 4.67 NL: 1.37E7



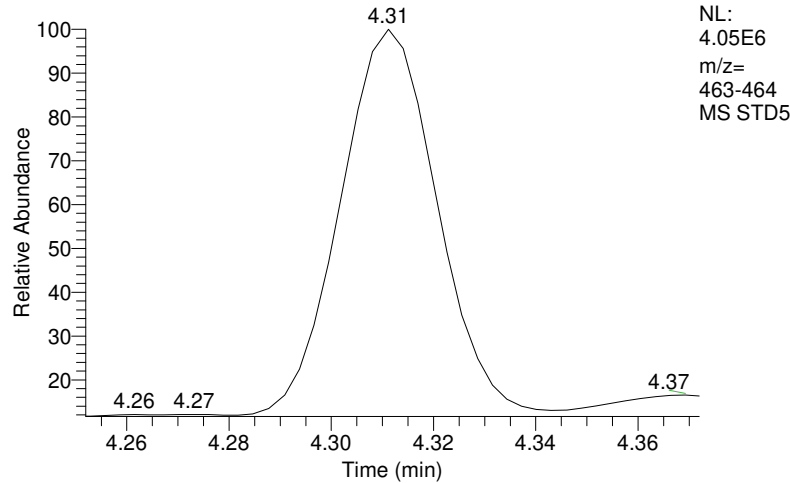
RT: 4.62 - 4.72 SM: 9G



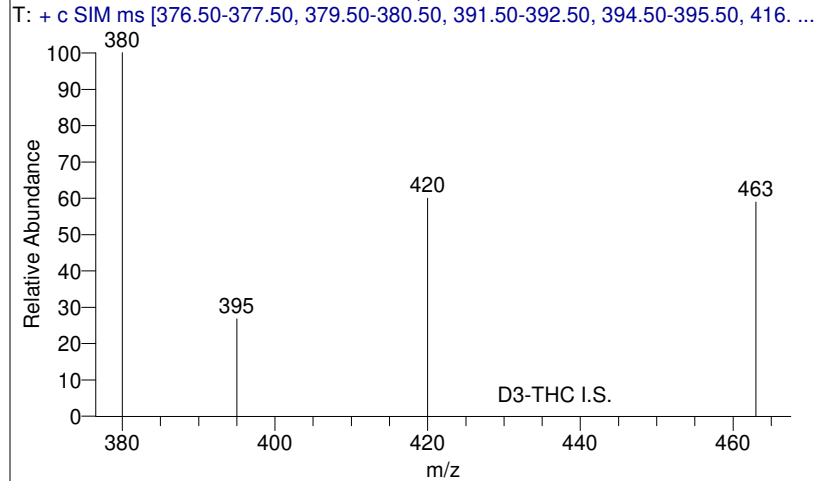
STD5 #571 RT: 4.67 AV: 1 SB: 2 4.65 , 4.69 NL: 1.71E7



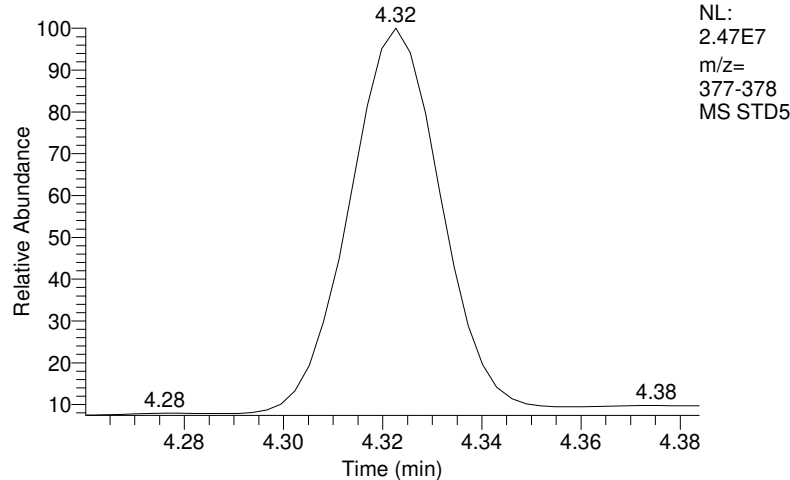
RT: 4.25 - 4.37 SM: 9G



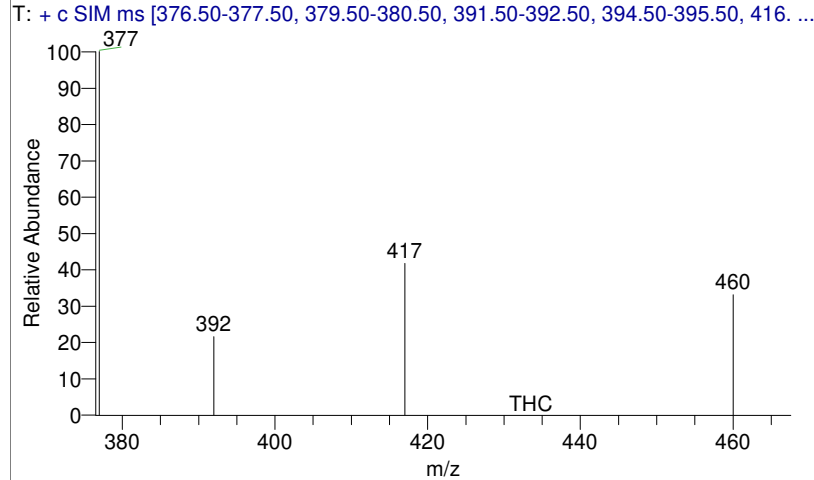
STD5 #448 RT: 4.31 AV: 1 SB: 2 4.29 , 4.33 NL: 4.95E6



RT: 4.26 - 4.38 SM: 9G



STD5 #455 RT: 4.33 AV: 1 SB: 2 4.31 , 4.34 NL: 2.41E7



# Michigan State Police Toxicology Unit

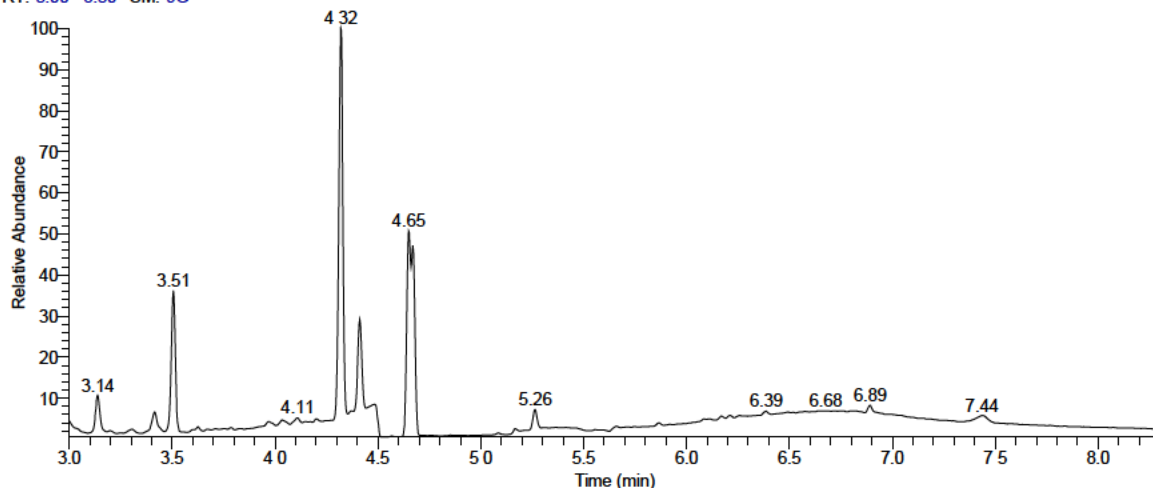
## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

**Sample ID: STD6**

**File Name:** STD6  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 10:16:34 AM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:8

RT: 3.00 - 8.30 SM: 9G



NL:  
 9.92E7  
 TIC MS  
 STD6

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Specified Amount | Calculated Amount | % Diff   |
|----------------|------|-------------------|-----------------|----------|------------------|-------------------|----------|
| THC            | 4.32 | Target compound   | Yes             | 49138970 | 50.00            | 49.01             | -1.97037 |
| THC-COOH       | 4.67 | Target compound   | Yes             | 10299556 | 100.00           | 98.11             | -1.89264 |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 10443973 | 100.00           | N/A               | N/A      |
| THC-D3         | 4.31 | Internal Standard | Yes             | 4176253  | 10.00            | N/A               | N/A      |

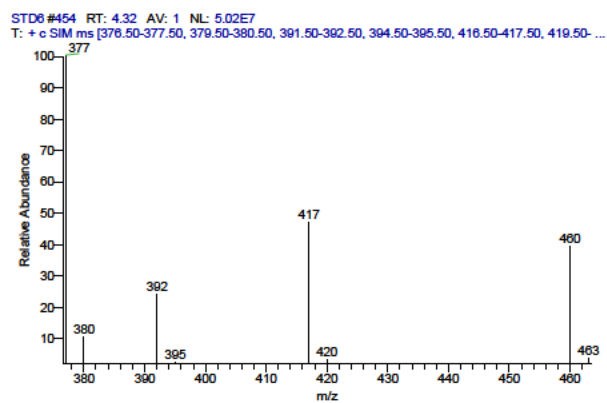
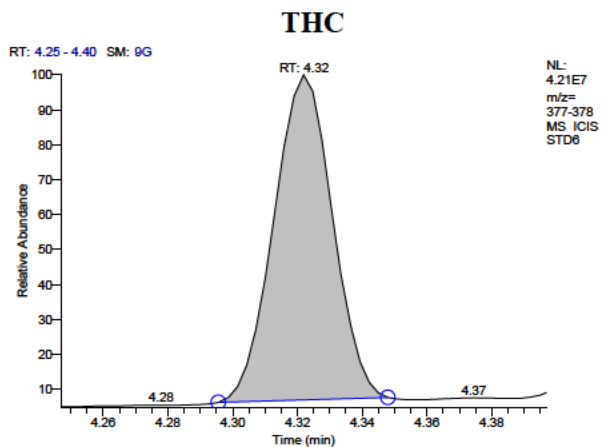
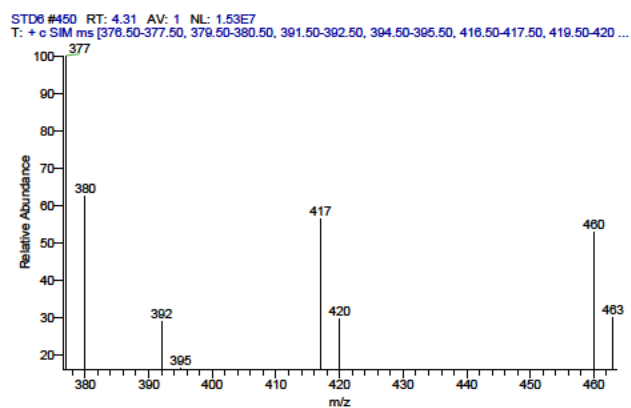
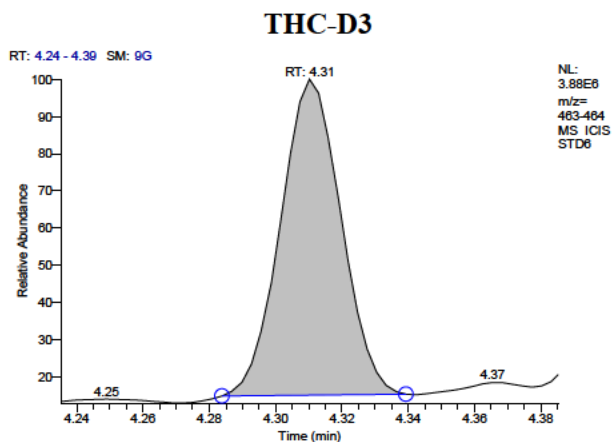
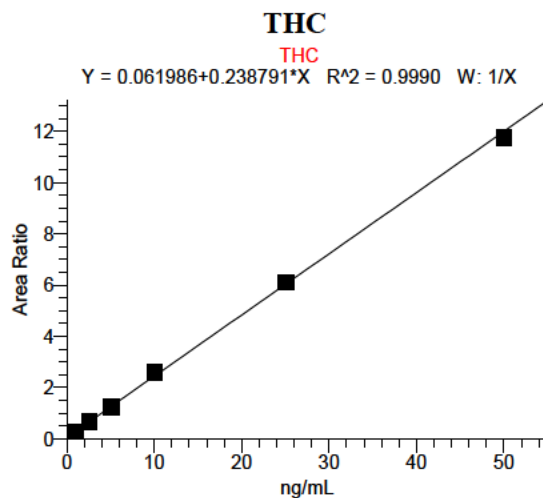
Amounts in ng/mL

# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

Sample ID: STD6



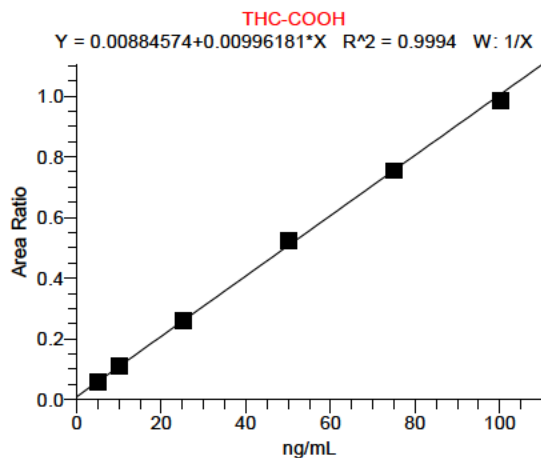
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Calibration Report

### LS-TX-GCMS6

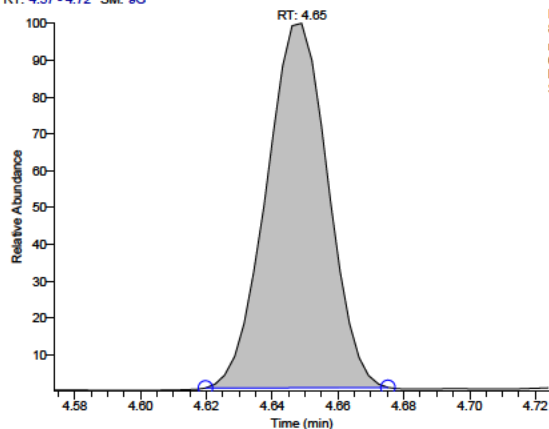
Sample ID: STD6

#### THC-COOH

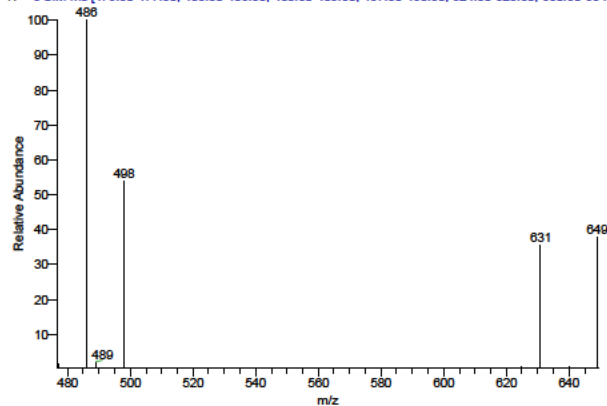


#### THC-COOH-D9

RT: 4.57 - 4.72 SM: 9G

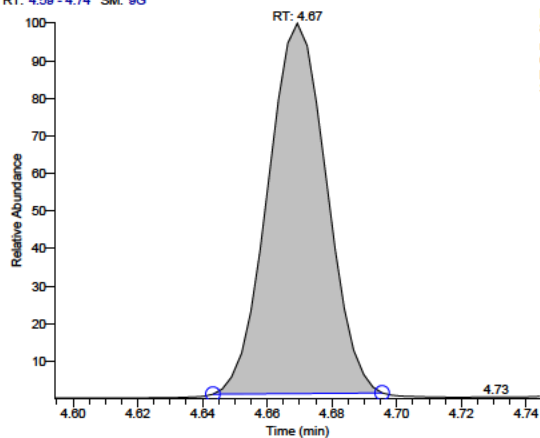


STD6 #565 RT: 4.65 AV: 1 NL: 2.54E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-63 ...

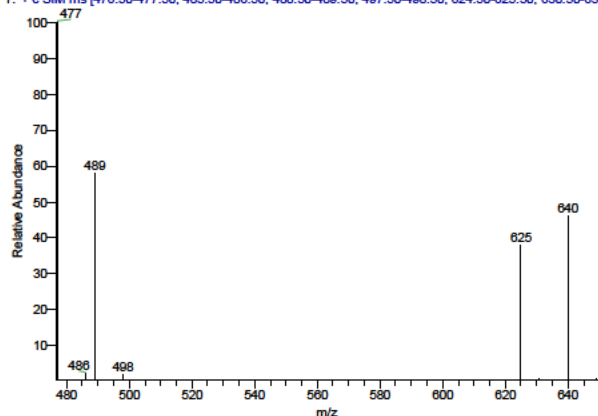


#### THC-COOH

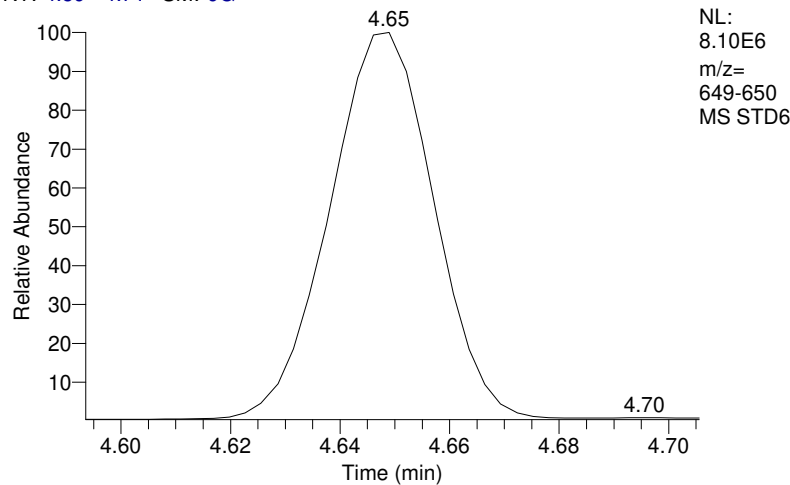
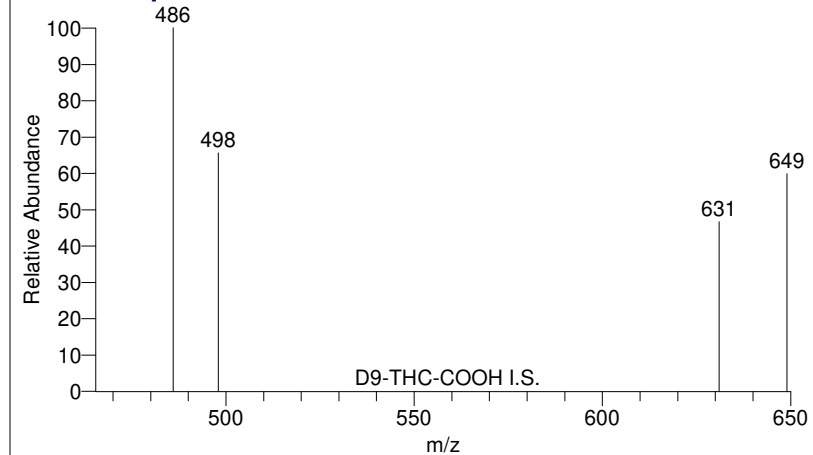
RT: 4.59 - 4.74 SM: 9G



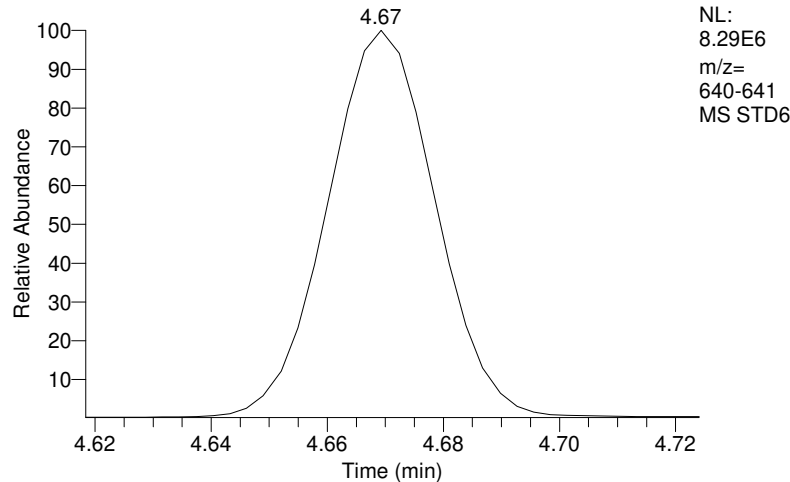
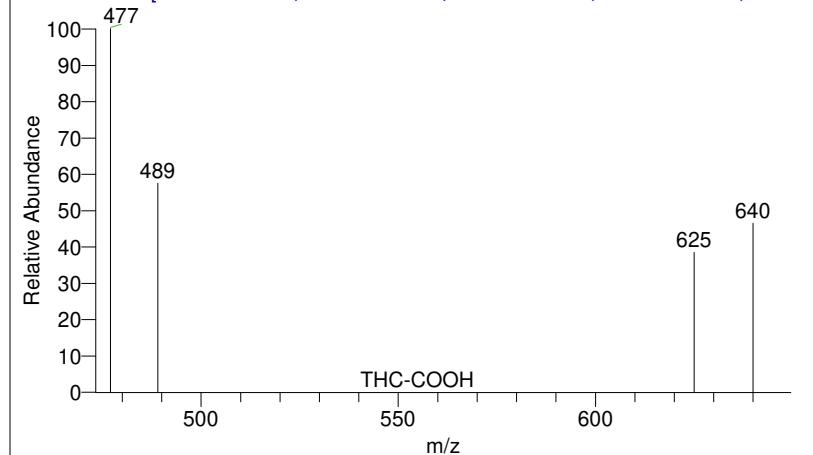
STD6 #572 RT: 4.67 AV: 1 NL: 2.15E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.50-625.50, 630.50-63 ...



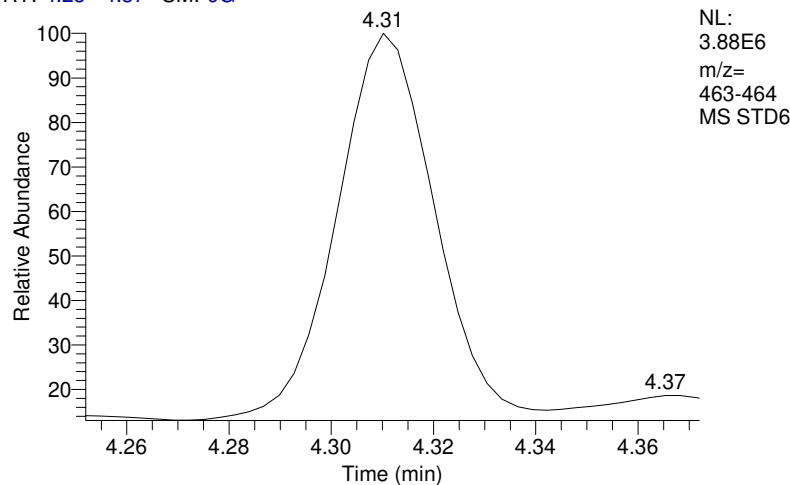
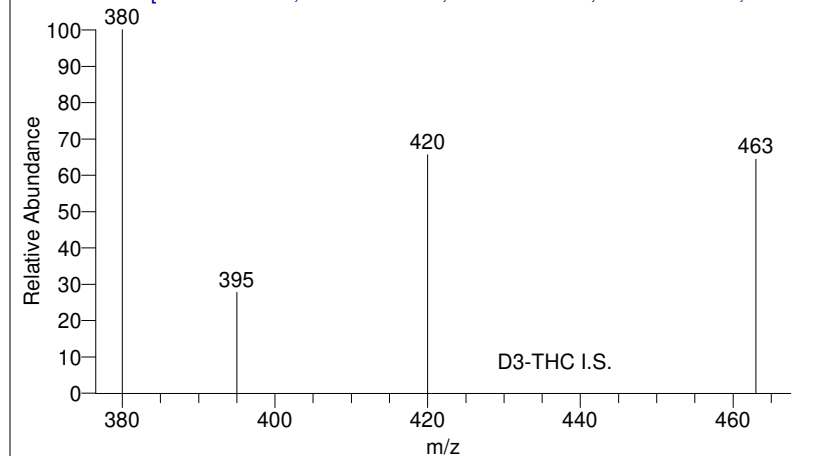
RT: 4.59 - 4.71 SM: 9G

STD6 #562 RT: 4.64 AV: 1 SB: 2 4.63 , 4.67 NL: 9.11E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

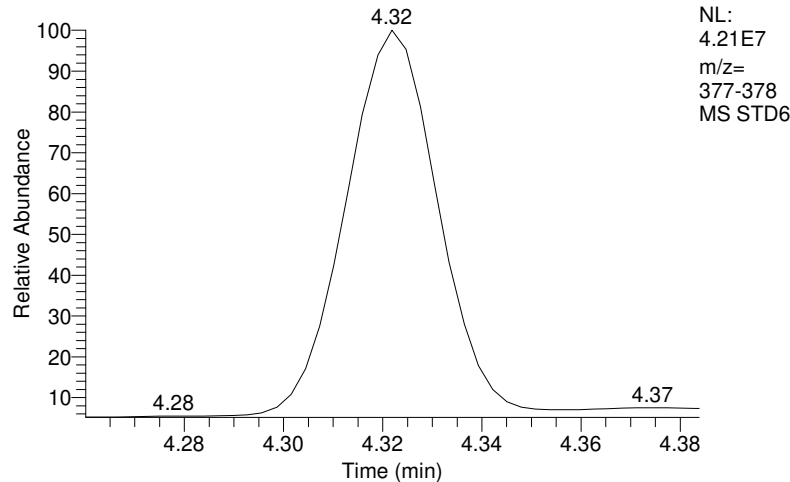
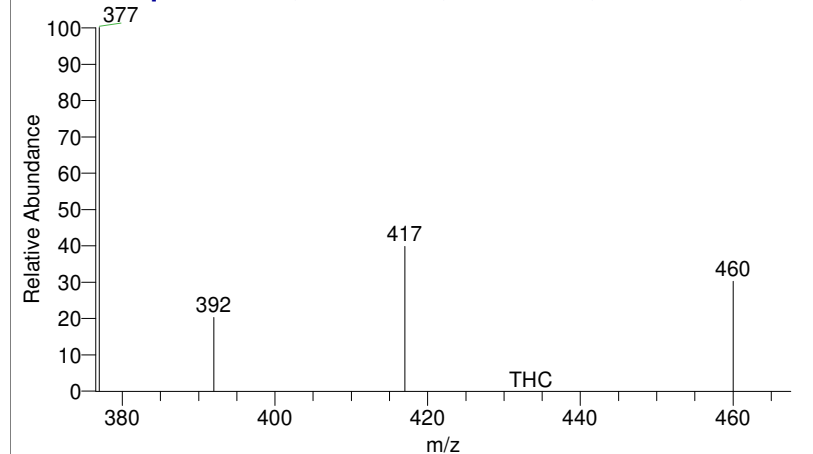
RT: 4.62 - 4.72 SM: 9G

STD6 #572 RT: 4.67 AV: 1 SB: 2 4.65 , 4.69 NL: 2.06E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

STD6 #447 RT: 4.30 AV: 1 SB: 2 4.29 , 4.33 NL: 2.48E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

STD6 #456 RT: 4.33 AV: 1 SB: 2 4.30 , 4.35 NL: 3.32E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...



# Michigan State Police Toxicology Unit

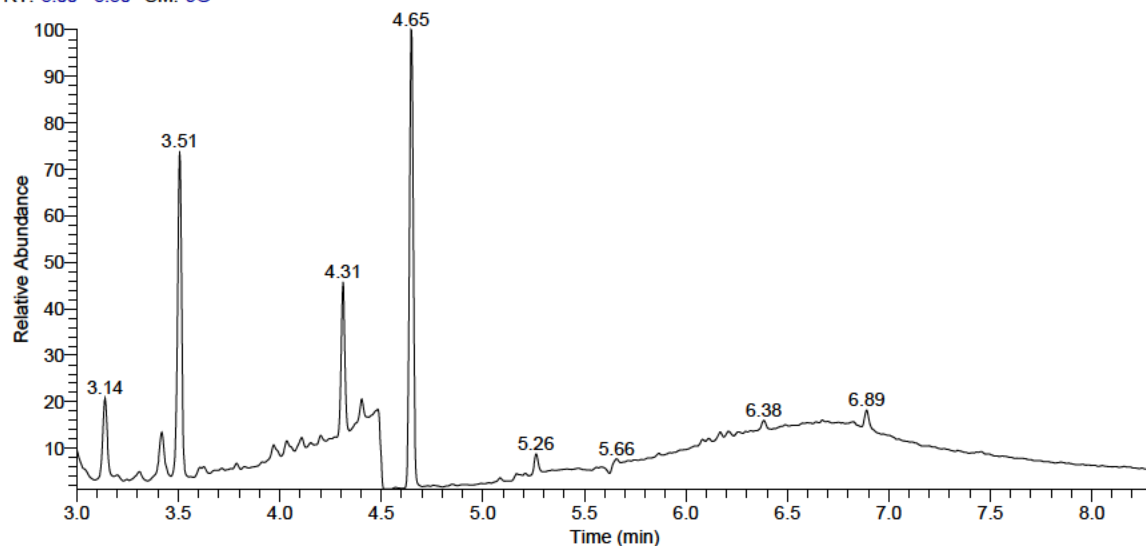
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:**NEGATIVE

**File Name:** NEGATIVE  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 10:42:09 AM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:9

RT: 3.00 - 8.30 SM: 9G



NL:  
5.56E7  
TIC MS  
NEGATIVE

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Calculated Amount |
|----------------|------|-------------------|-----------------|----------|-------------------|
| THC            | N/A  | Target compound   | No              | N/A      | N/A               |
| THC-COOH       | N/A  | Target compound   | No              | N/A      | N/A               |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 11923635 | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 4284153  | N/A               |

Amounts in ng/mL

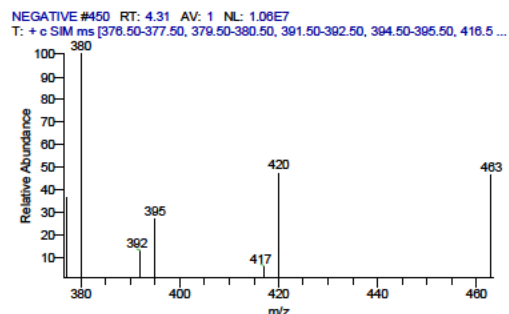
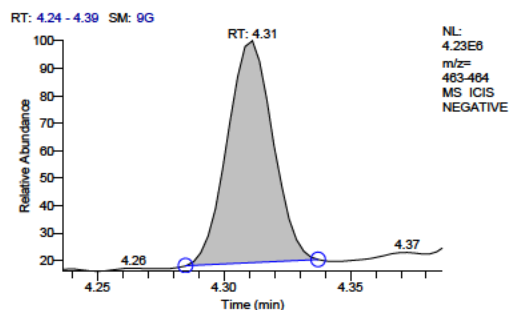
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

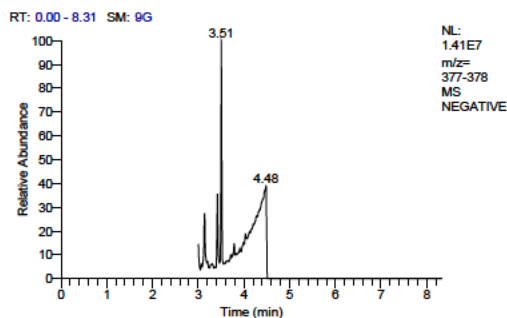
### LS-TX-GCMS6

Sample ID:NEGATIVE

#### THC-D3

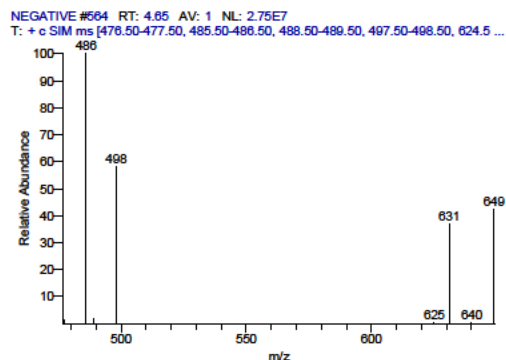
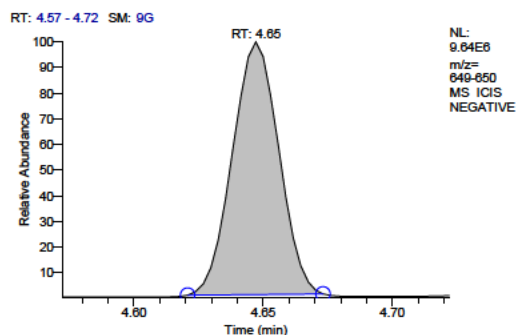


#### THC

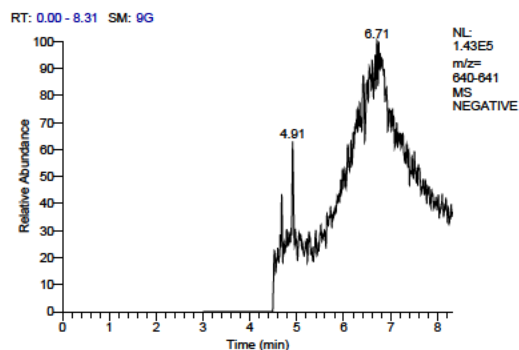


There's no data available to display this graphic object.

#### THC-COOH-D9

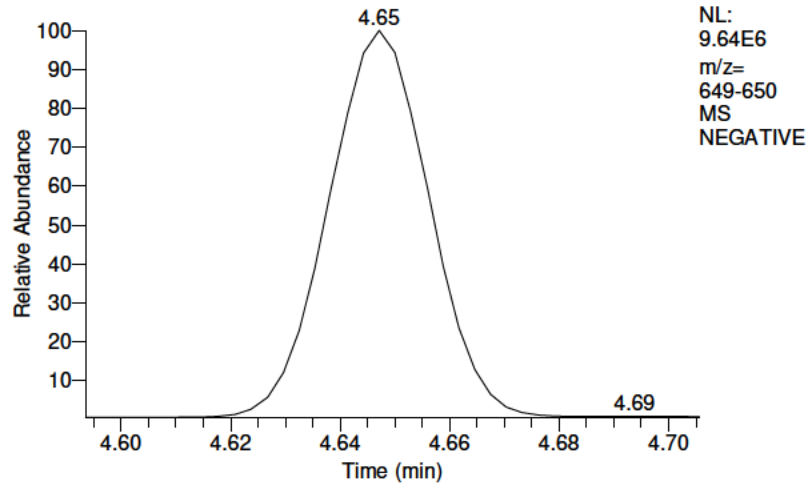
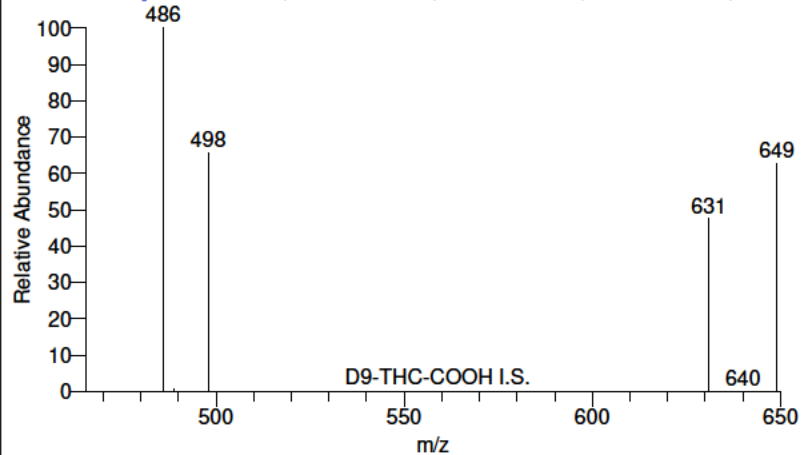


#### THC-COOH

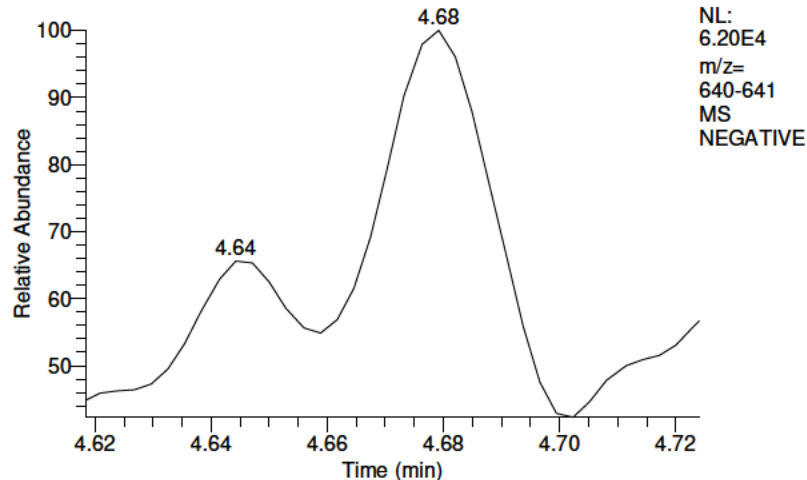
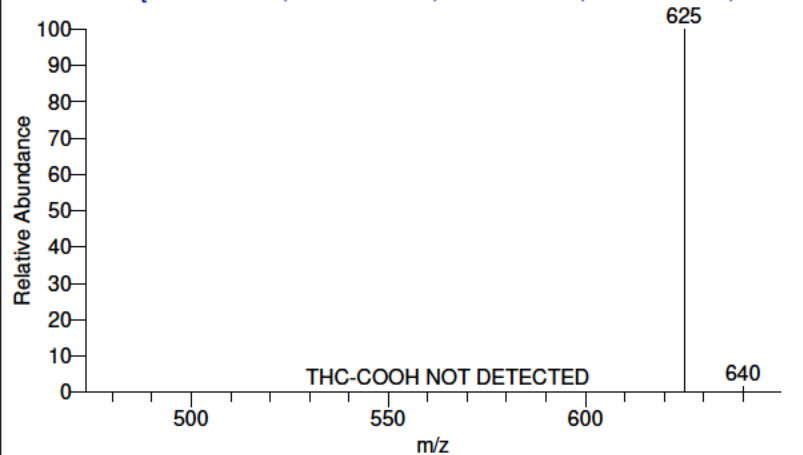


There's no data available to display this graphic object.

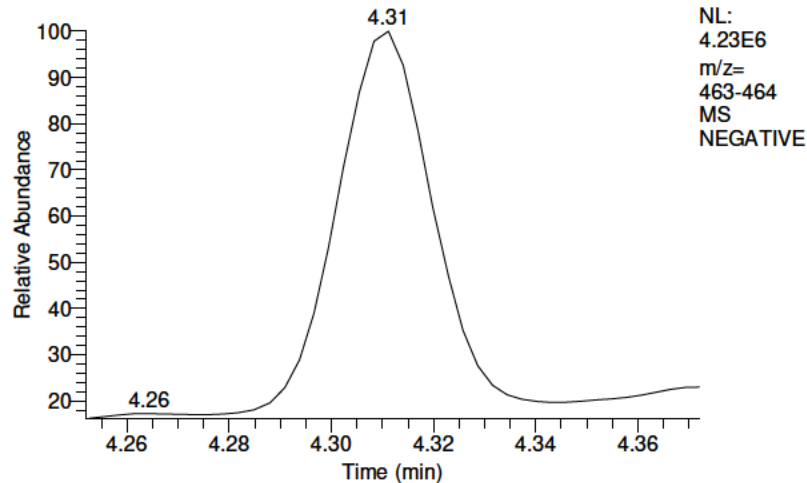
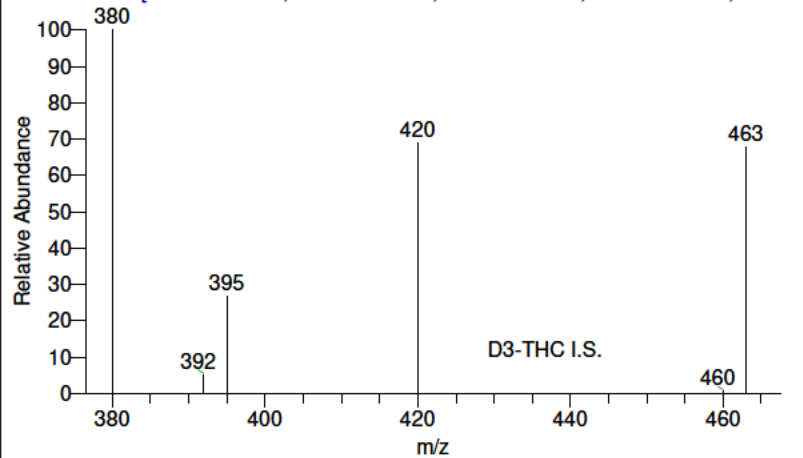
RT: 4.59 - 4.71 SM: 9G

NEGATIVE #561 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 7.88E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

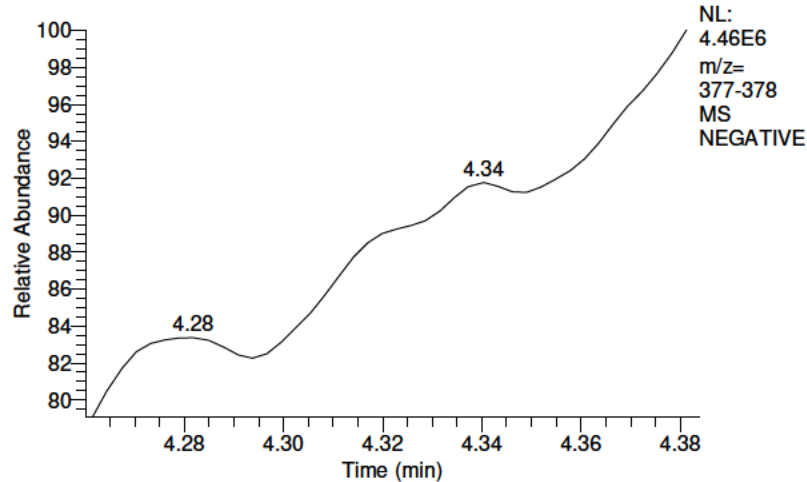
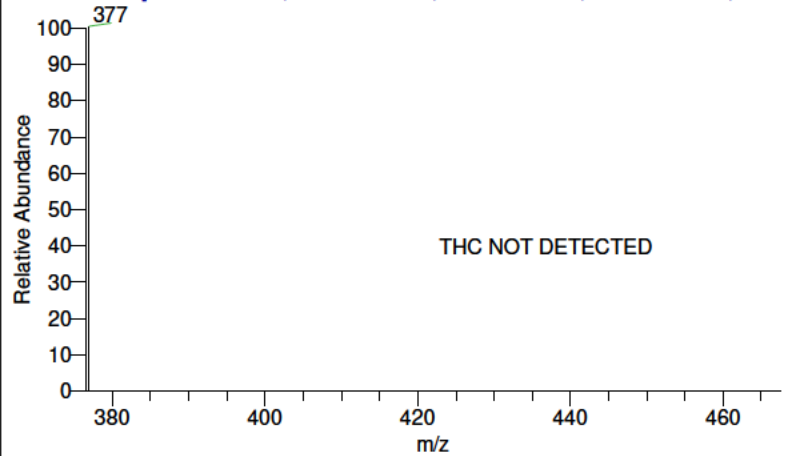
RT: 4.62 - 4.72 SM: 9G

NEGATIVE #571 RT: 4.67 AV: 1 SB: 2 4.65, 4.69 NL: 1.05E5  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

NEGATIVE #446 RT: 4.30 AV: 1 SB: 2 4.29, 4.33 NL: 1.55E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

NEGATIVE #455 RT: 4.33 AV: 1 SB: 2 4.31, 4.34 NL: 8.46E4  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

# Michigan State Police Toxicology Unit

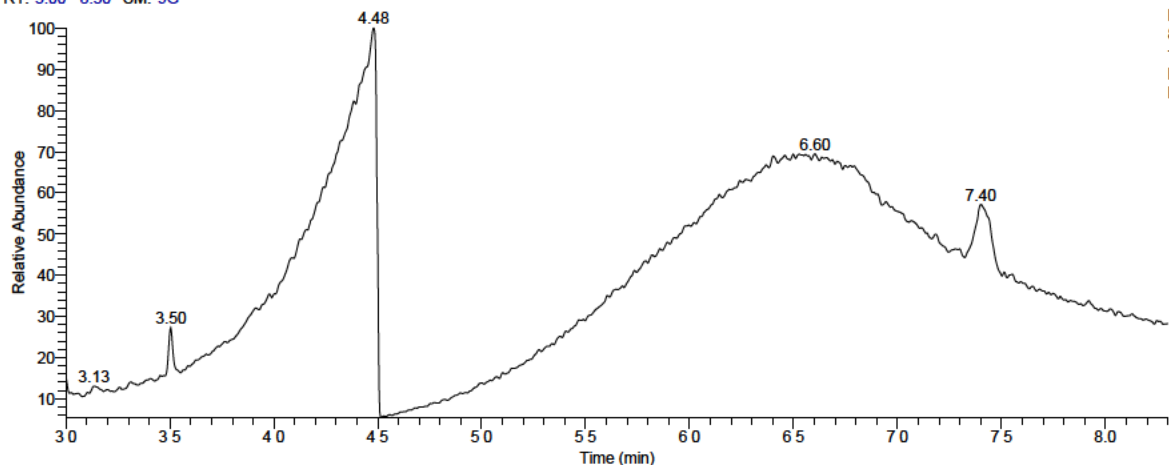
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID: NEGATIVE-Blank**

**File Name:** NEGATIVE-Blank  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 10:29:30 AM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:1

RT: 3.00 - 8.30 SM: 9G



**Total Ion Chromatogram**

| Component Name | RT  | Component Type    | Component Found | Area | Calculated Amount |
|----------------|-----|-------------------|-----------------|------|-------------------|
| THC            | N/A | Target compound   | No              | N/A  | N/A               |
| THC-COOH       | N/A | Target compound   | No              | N/A  | N/A               |
| THC-COOH-D9    | N/A | Internal Standard | No              | N/A  | N/A               |
| THC-D3         | N/A | Internal Standard | No              | N/A  | N/A               |

Amounts in ng/mL

# Michigan State Police Toxicology Unit

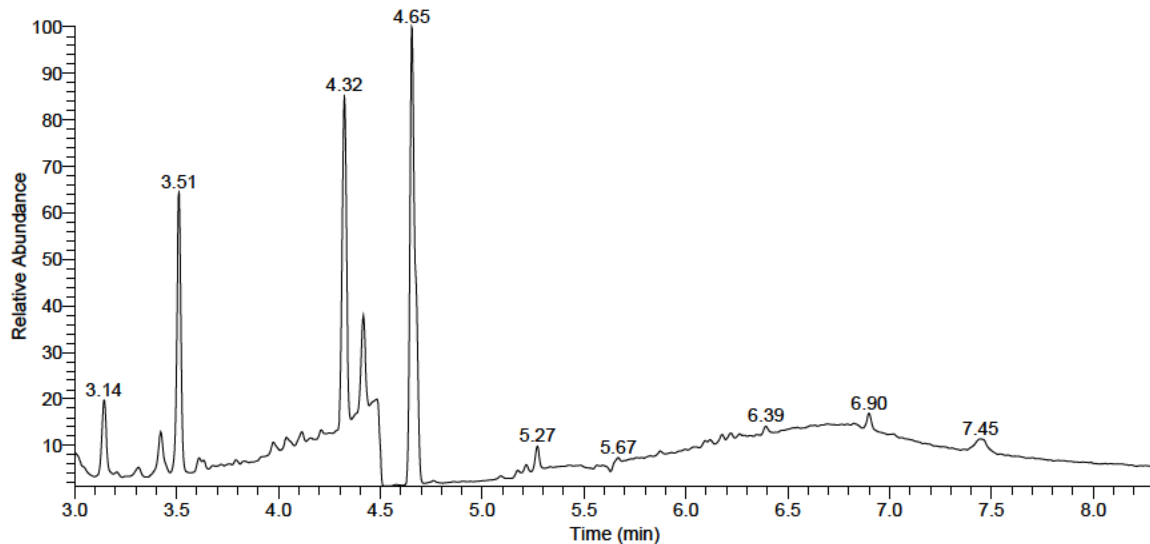
## GC/MS Cannabinoid Control Report

### LS-TX-GCMS6

**Sample ID: MEDPOS**

**File Name:** MEDPOS  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 11:10:01 AM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:10

RT: 3.00 - 8.30 SM: 9G



NL:  
 5.68E7  
 TIC MS  
 MEDPOS

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Specified Amount | Calculated Amount | % Diff  |
|----------------|------|-------------------|-----------------|----------|------------------|-------------------|---------|
| THC            | 4.33 | Target compound   | Yes             | 18378165 | 20.00            | 21.28             | 6.41856 |
| THC-COOH       | 4.67 | Target compound   | Yes             | 5272196  | 40.00            | 43.34             | 8.35219 |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 11965968 | 100.00           | N/A               | N/A     |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3572499  | 10.00            | N/A               | N/A     |

Amounts in ng/mL

# Michigan State Police Toxicology Unit

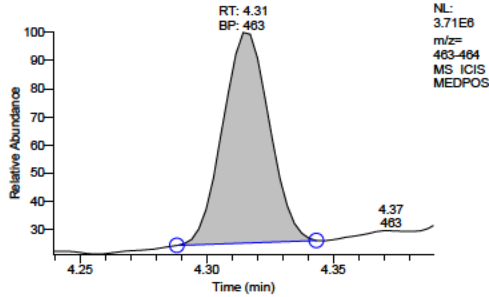
## GC/MS Cannabinoid Control Report

### LS-TX-GCMS6

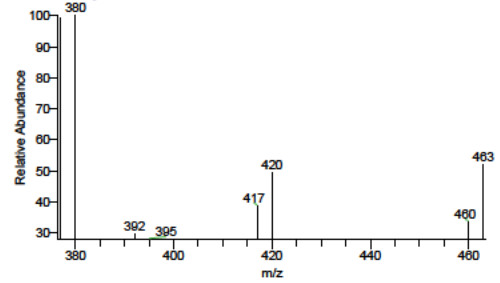
Sample ID: MEDPOS

#### THC-D3

RT: 4.24 - 4.39 SM: 9G

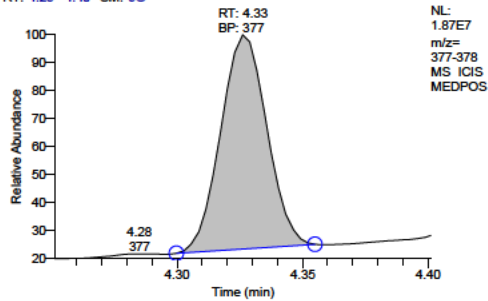


MEDPOS #451 RT: 4.31 AV: 1 NL: 8.14E8  
T: + c SIM ms [376.50-377.50, 378.50-380.50, 391.50-392.50, 394.50-395.50, 416.5 ...

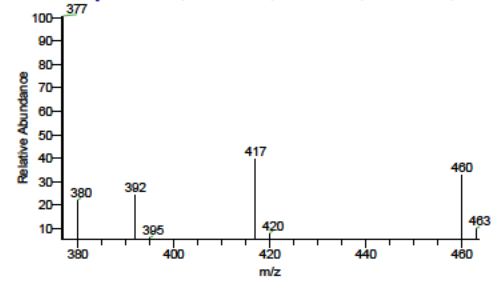


#### THC

RT: 4.25 - 4.40 SM: 9G

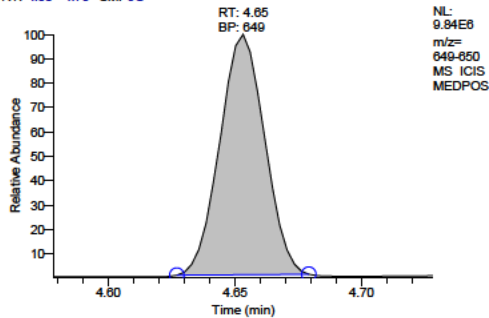


MEDPOS #455 RT: 4.33 AV: 1 NL: 2.16E7  
T: + c SIM ms [376.50-377.50, 378.50-380.50, 391.50-392.50, 394.50-395.50, 416 ...

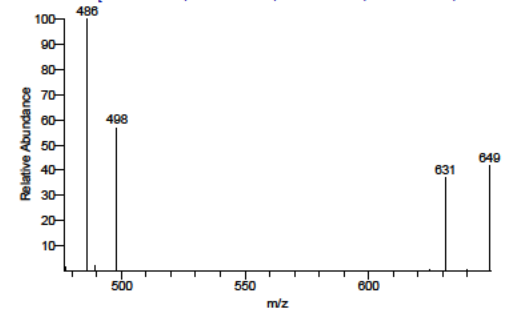


#### THC-COOH-D9

RT: 4.58 - 4.73 SM: 9G

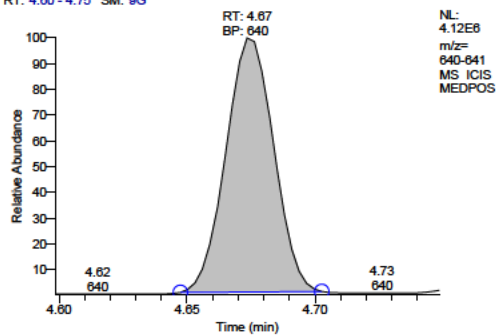


MEDPOS #506 RT: 4.65 AV: 1 NL: 2.84E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...

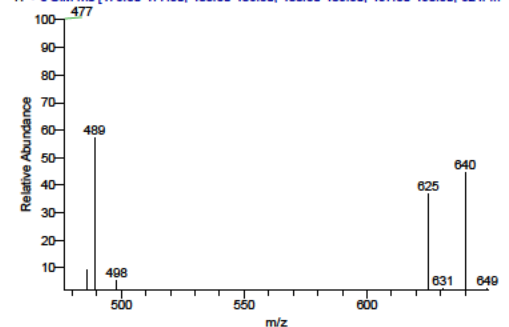


#### THC-COOH

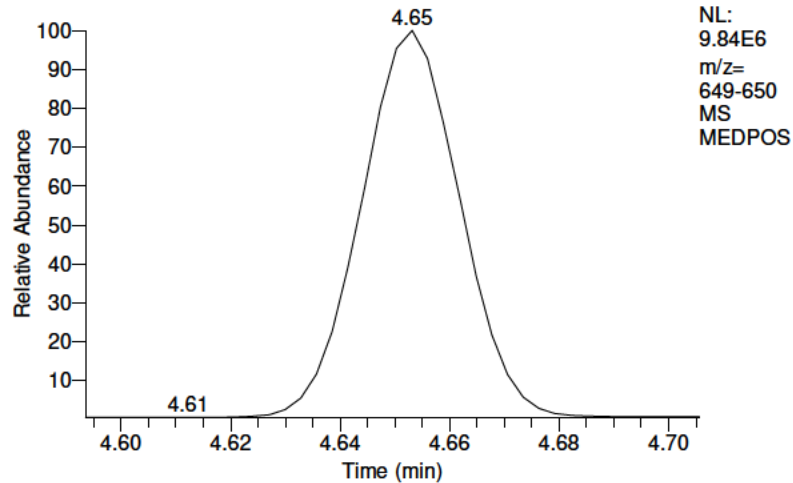
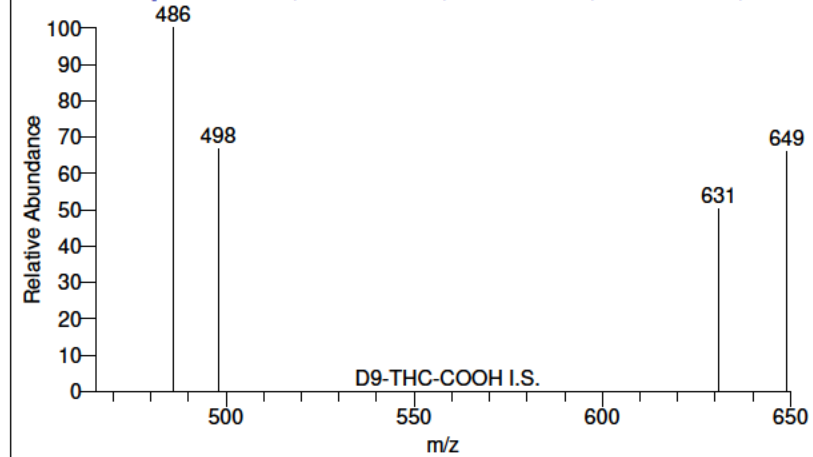
RT: 4.60 - 4.75 SM: 9G



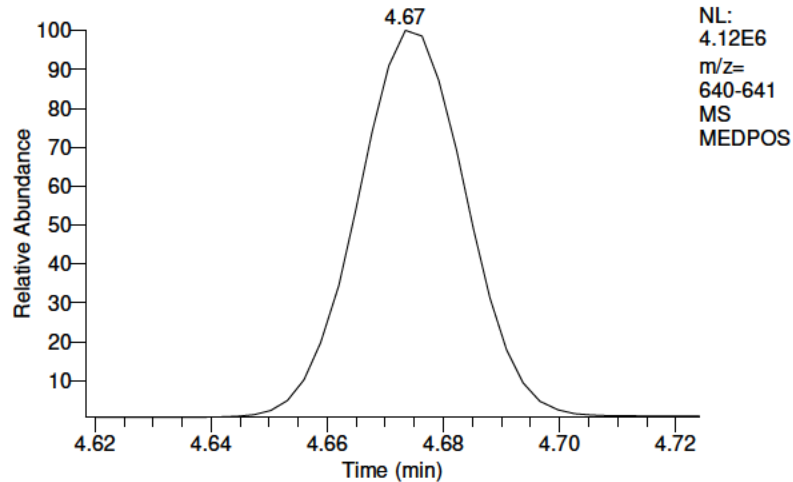
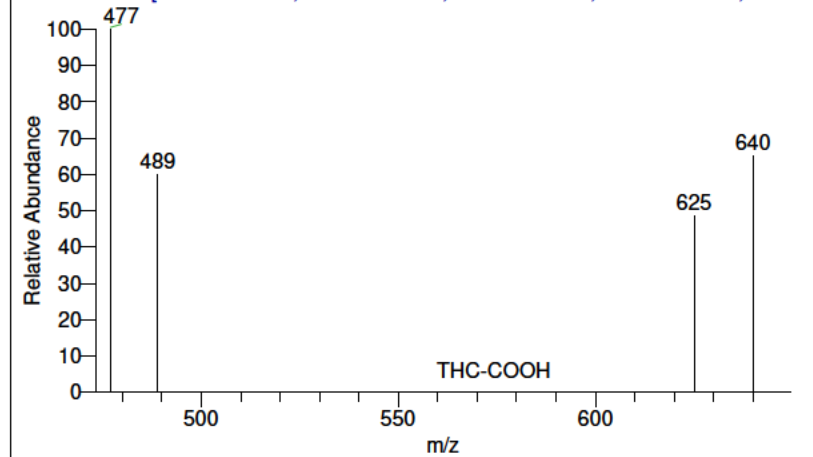
MEDPOS #573 RT: 4.67 AV: 1 NL: 1.08E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...



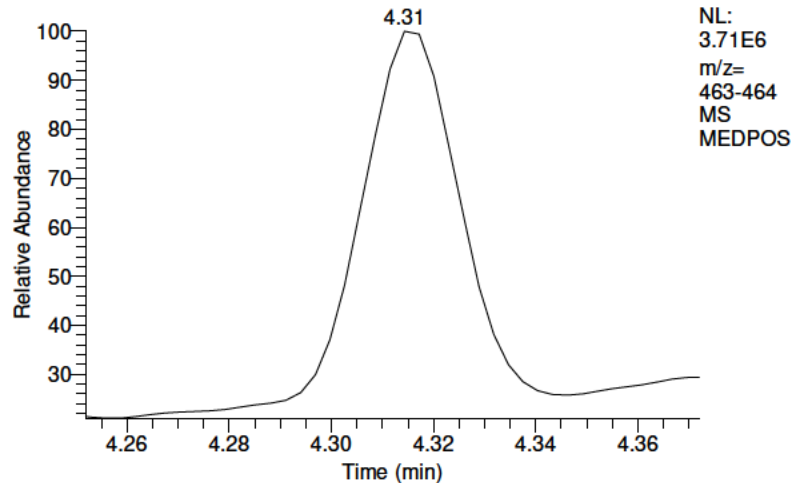
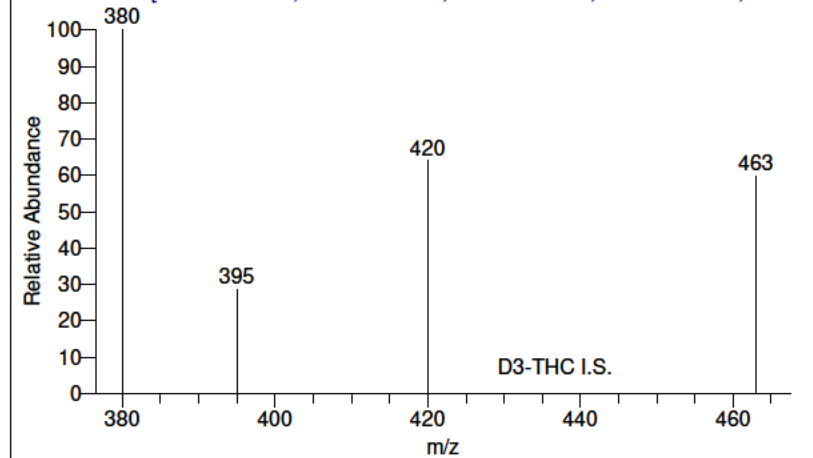
RT: 4.59 - 4.71 SM: 9G

MEDPOS #563-564 RT: 4.64-4.65 AV: 2 SB: 2 4.63, 4.67 NL: 9.72E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

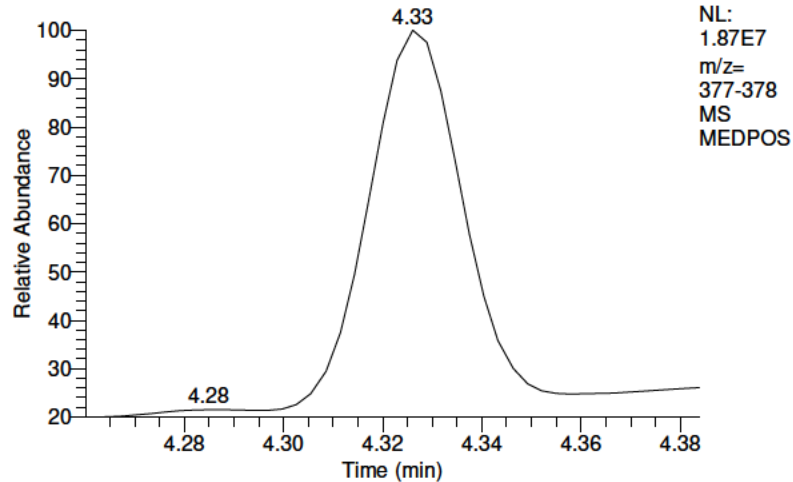
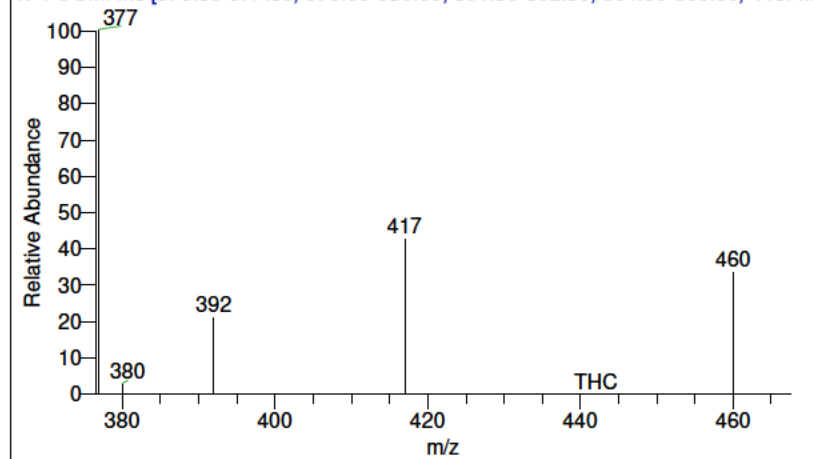
RT: 4.62 - 4.72 SM: 9G

MEDPOS #571 RT: 4.67 AV: 1 SB: 2 4.65, 4.69 NL: 4.56E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

MEDPOS #449 RT: 4.31 AV: 1 SB: 2 4.29, 4.33 NL: 3.30E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

MEDPOS #457 RT: 4.33 AV: 1 SB: 2 4.31, 4.34 NL: 1.24E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

# Michigan State Police Toxicology Unit

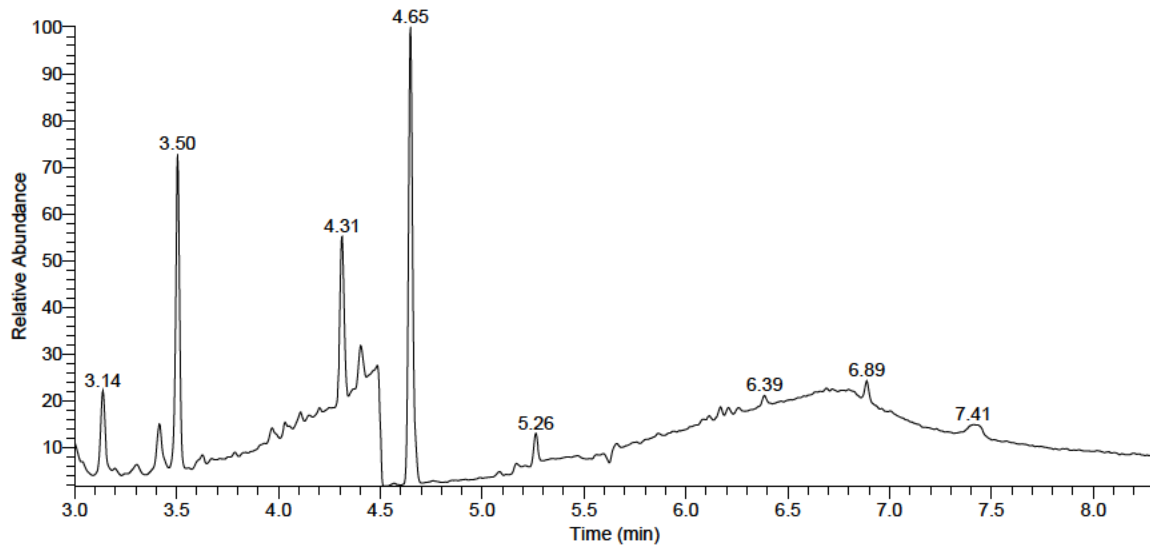
## GC/MS Cannabinoid Control Report

### LS-TX-GCMS6

**Sample ID: LOWPOS**

**File Name:** LOWPOS  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 12:11:11 PM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:23

RT: 3.00 - 8.30 SM: 9G



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area    | Specified Amount | Calculated Amount | % Diff   |
|----------------|------|-------------------|-----------------|---------|------------------|-------------------|----------|
| THC            | 4.32 | Target compound   | Yes             | 2592837 | 3.00             | 3.04              | 1.44300  |
| THC-COOH       | 4.67 | Target compound   | Yes             | 999565  | 10.00            | 9.69              | -3.09463 |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 9485247 | 100.00           | N/A               | N/A      |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3287498 | 10.00            | N/A               | N/A      |

Amounts in ng/mL



# Michigan State Police Toxicology Unit

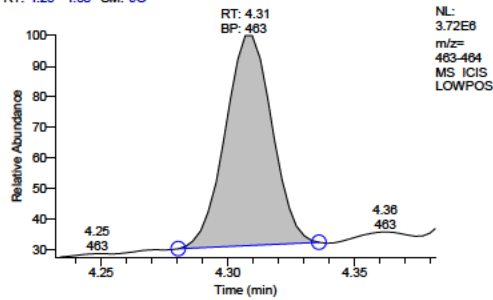
## GC/MS Cannabinoid Control Report

### LS-TX-GCMS6

Sample ID: LOWPOS

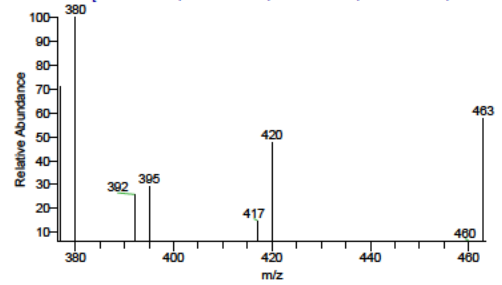
#### THC-D3

RT: 4.23 - 4.38 SM: 9G



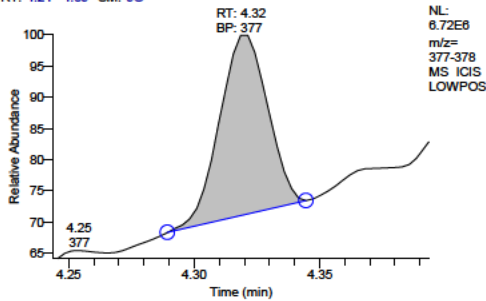
LOWPOS #449 RT: 4.31 AV: 1 NL: 7.32E8

T: + c SIM ms [376.50-377.50, 378.50-380.50, 381.50-382.50, 394.50-395.50, 416.5 ...



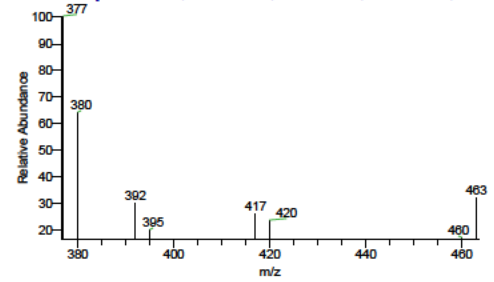
#### THC

RT: 4.24 - 4.39 SM: 9G



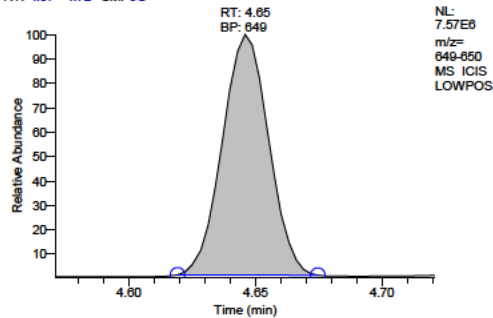
LOWPOS #453 RT: 4.32 AV: 1 NL: 7.07E8

T: + c SIM ms [376.50-377.50, 378.50-380.50, 391.50-392.50, 394.50-395.50, 416 ...



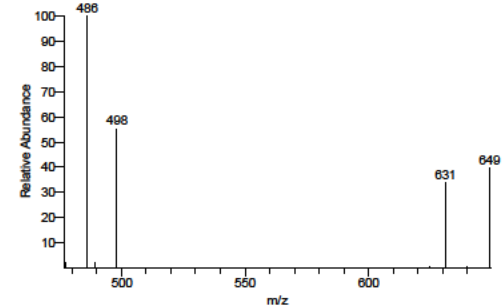
#### THC-COOH-D9

RT: 4.57 - 4.72 SM: 9G



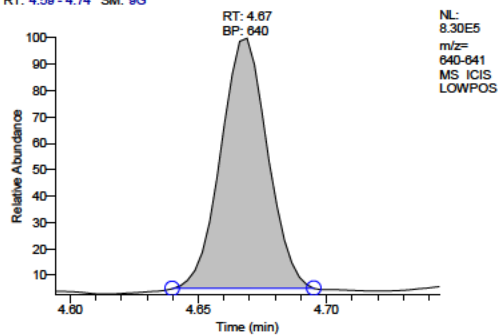
LOWPOS #504 RT: 4.65 AV: 1 NL: 2.31E7

T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...



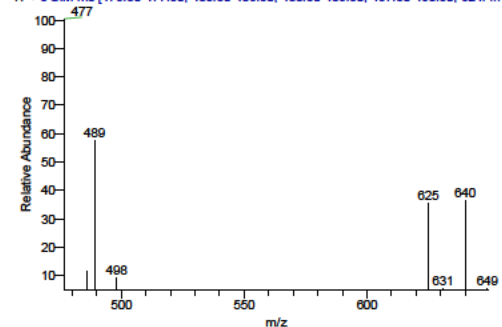
#### THC-COOH

RT: 4.59 - 4.74 SM: 9G

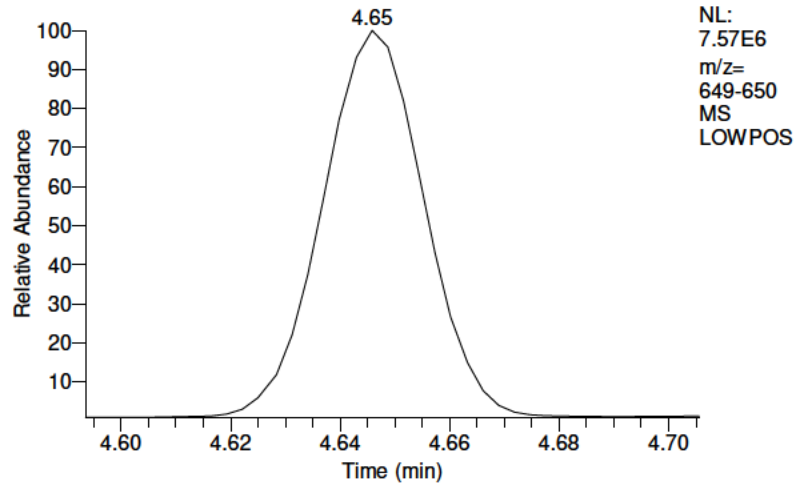
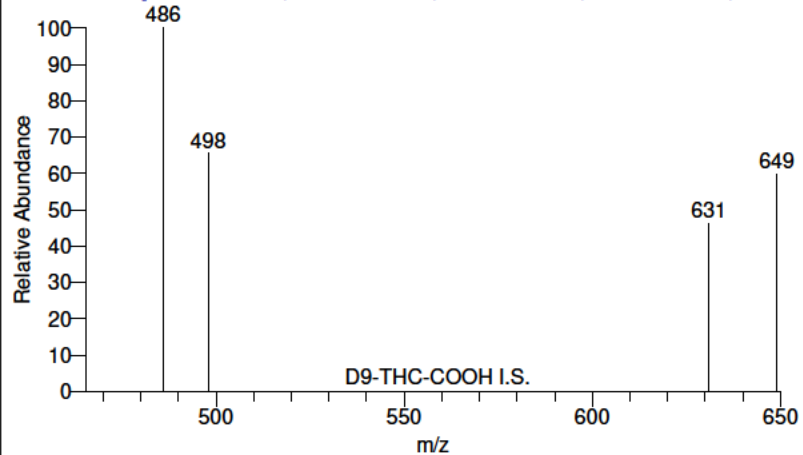


LOWPOS #572 RT: 4.67 AV: 1 NL: 2.75E8

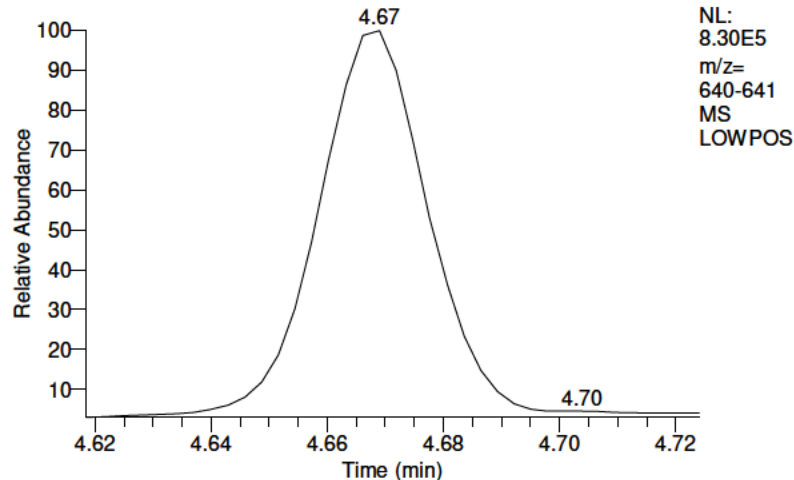
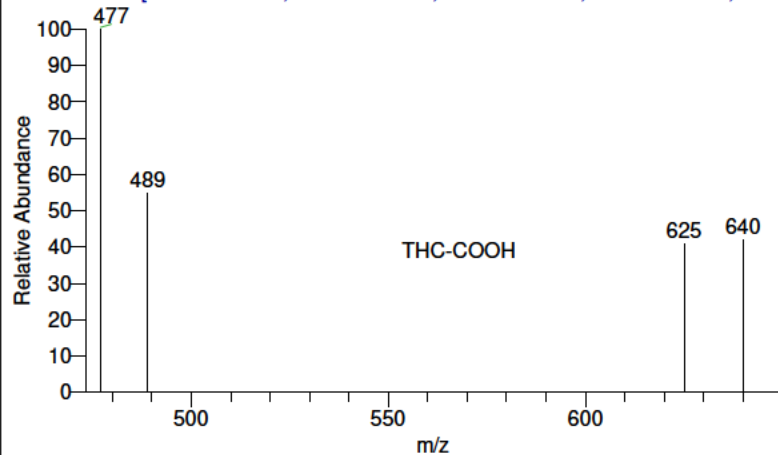
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...



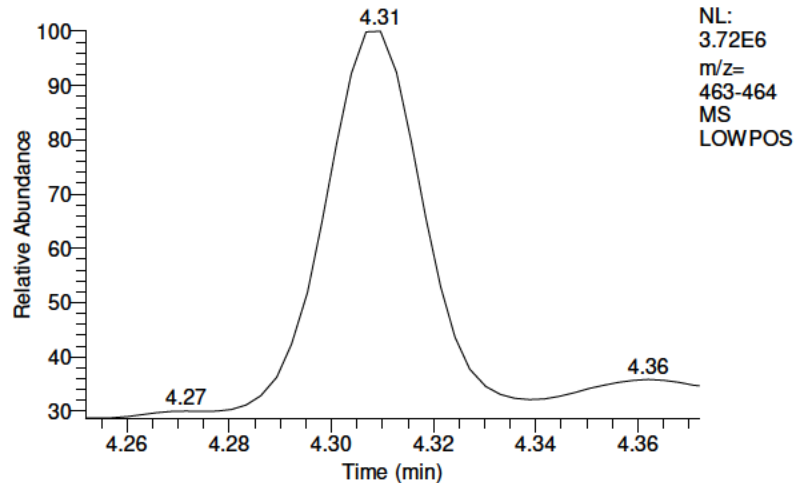
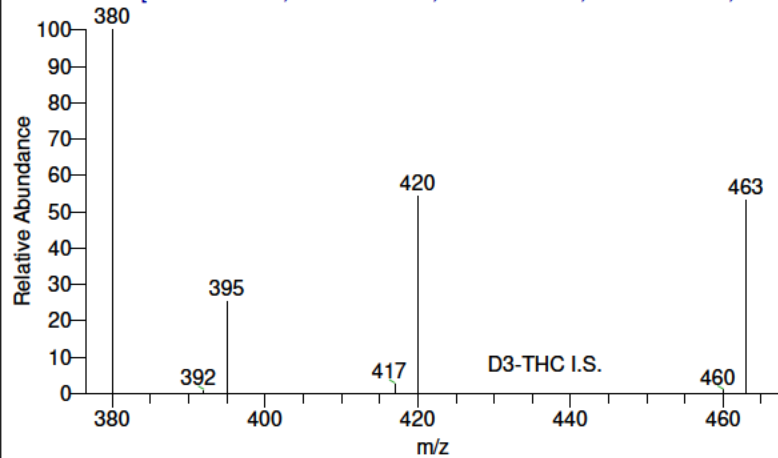
RT: 4.59 - 4.71 SM: 9G

LOWPOS #561 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 6.22E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

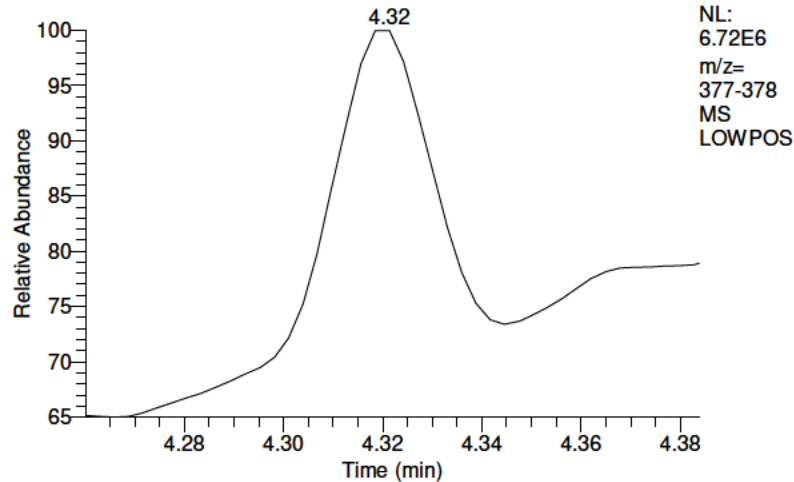
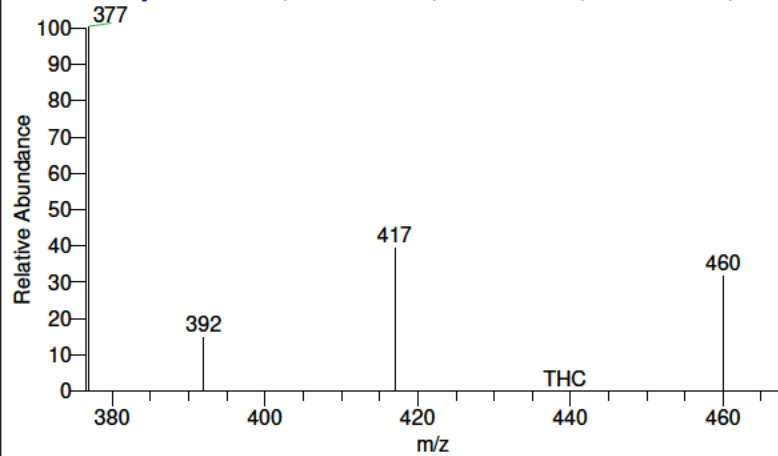
RT: 4.62 - 4.72 SM: 9G

LOWPOS #572 RT: 4.67 AV: 1 SB: 2 4.65, 4.69 NL: 2.21E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

LOWPOS #447 RT: 4.30 AV: 1 SB: 2 4.30, 4.33 NL: 2.91E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

LOWPOS #455 RT: 4.32 AV: 1 SB: 2 4.30, 4.34 NL: 1.83E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

# Michigan State Police Toxicology Unit

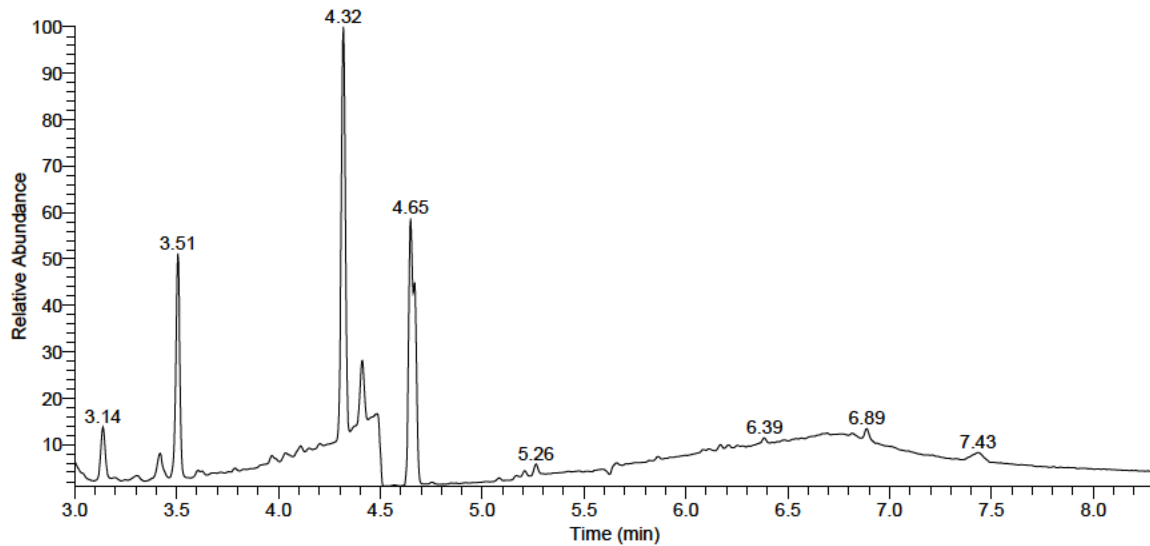
## GC/MS Cannabinoid Control Report

### LS-TX-GCMS6

**Sample ID: HIGHPOS**

**File Name:** HIGHPOS  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 12:23:49 PM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:24

RT: 3.00 - 8.30 SM: 9G



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Specified Amount | Calculated Amount | % Diff   |
|----------------|------|-------------------|-----------------|----------|------------------|-------------------|----------|
| THC            | 4.32 | Target compound   | Yes             | 41020826 | 40.00            | 41.11             | 2.78037  |
| THC-COOH       | 4.67 | Target compound   | Yes             | 8410777  | 80.00            | 79.05             | -1.18399 |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 10561598 | 100.00           | N/A               | N/A      |
| THC-D3         | 4.31 | Internal Standard | Yes             | 4152243  | 10.00            | N/A               | N/A      |

Amounts in ng/mL

# Michigan State Police Toxicology Unit

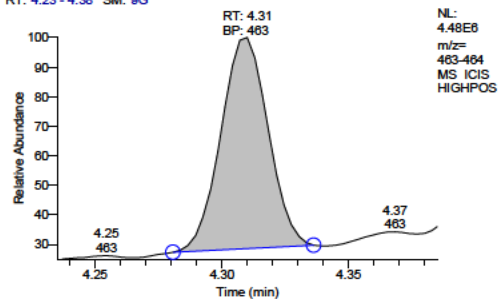
## GC/MS Cannabinoid Control Report

### LS-TX-GCMS6

Sample ID: HIGHPOS

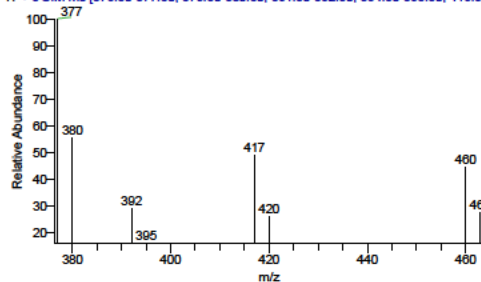
#### THC-D3

RT: 4.23 - 4.38 SM: 9G



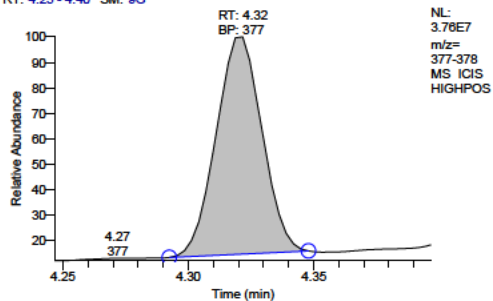
HIGHPOS #450 RT: 4.31 AV: 1 NL: 1.88E7

T: + c SIM ms [376.50-377.50, 378.50-380.50, 391.50-392.50, 394.50-395.50, 416.5 ...



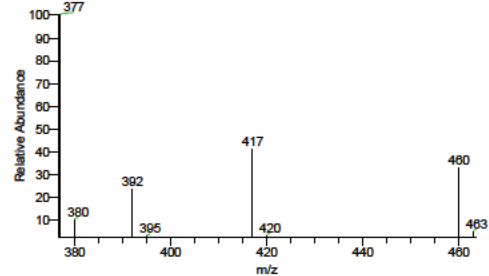
#### THC

RT: 4.25 - 4.40 SM: 9G



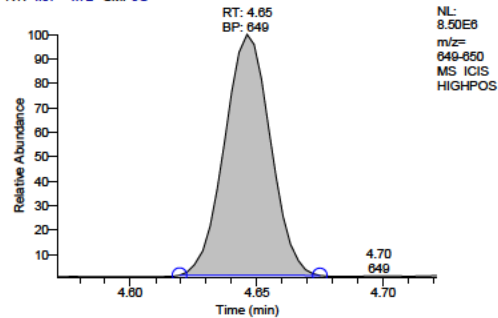
HIGHPOS #454 RT: 4.32 AV: 1 NL: 4.40E7

T: + c SIM ms [376.50-377.50, 378.50-380.50, 391.50-392.50, 394.50-395.50, 416 ...



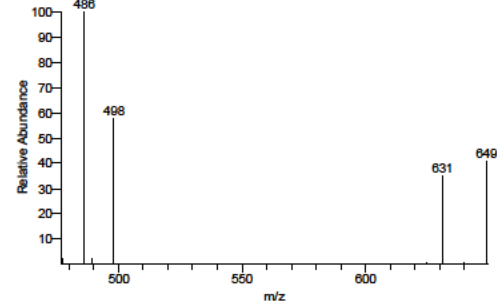
#### THC-COOH-D9

RT: 4.57 - 4.72 SM: 9G



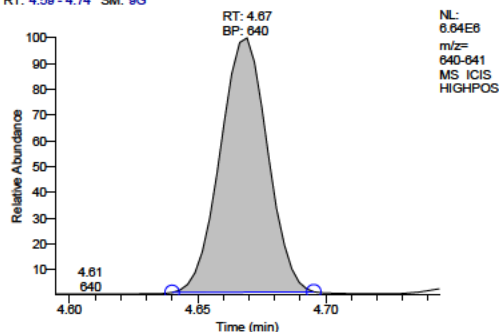
HIGHPOS #564 RT: 4.65 AV: 1 NL: 2.52E7

T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...



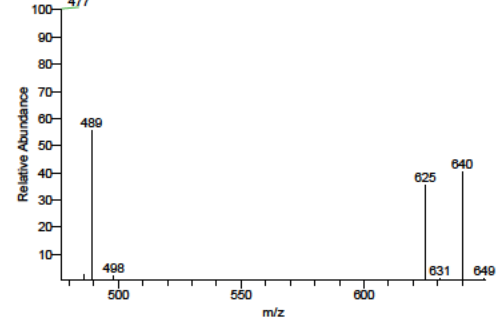
#### THC-COOH

RT: 4.59 - 4.74 SM: 9G

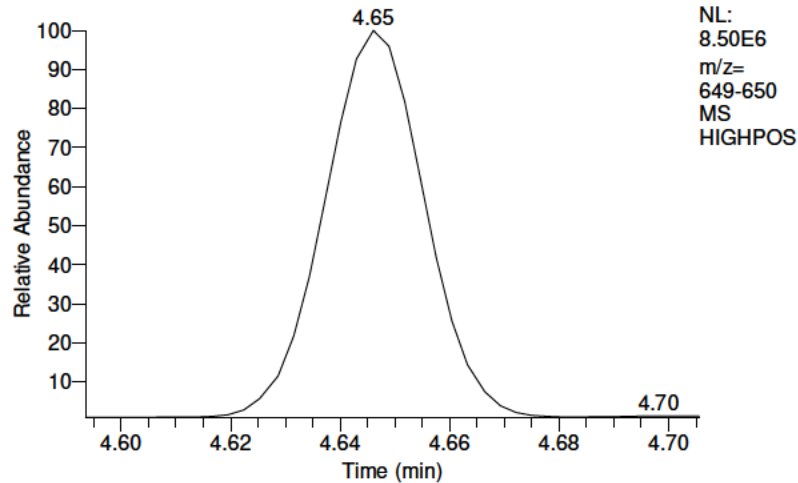
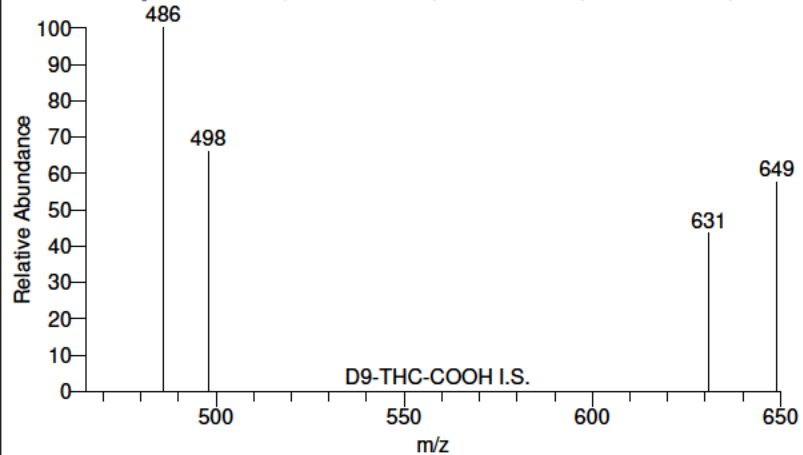


HIGHPOS #572 RT: 4.67 AV: 1 NL: 1.95E7

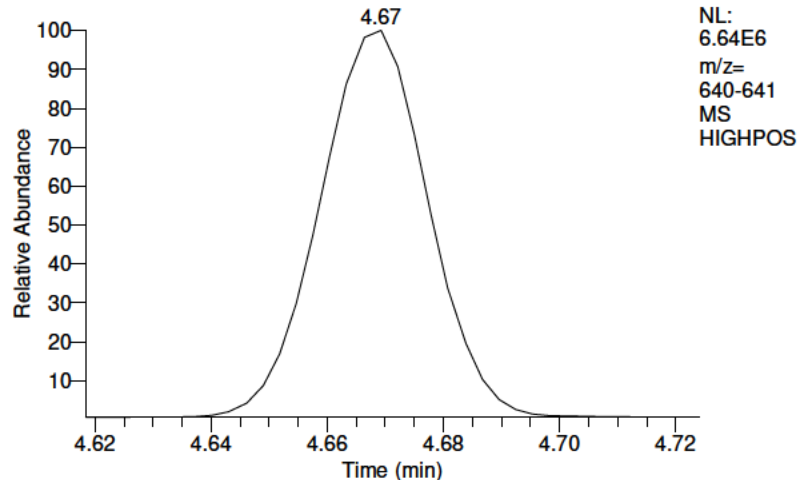
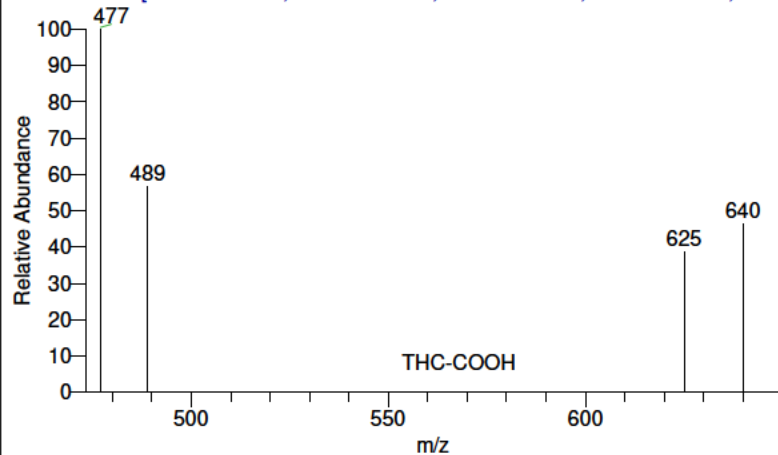
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...



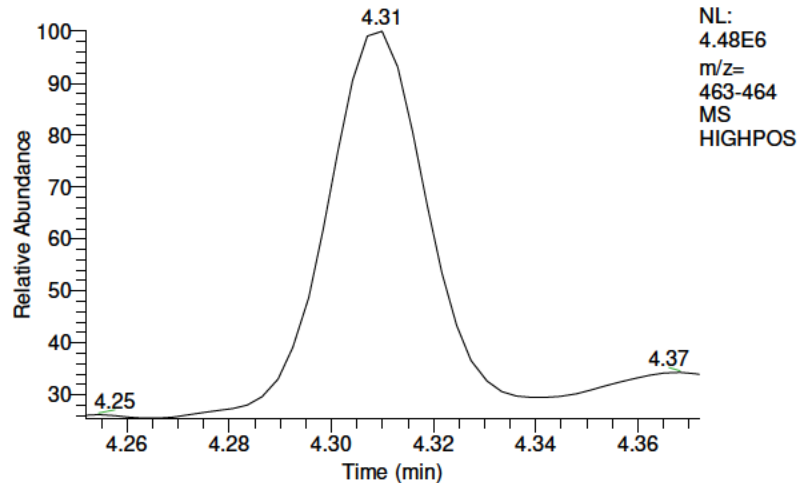
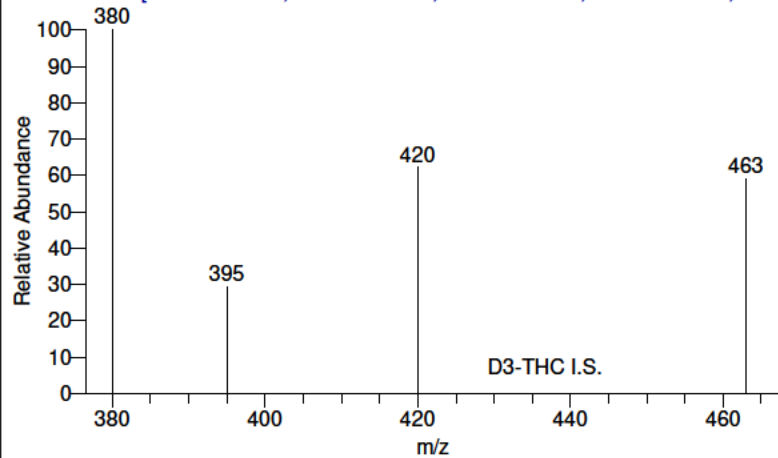
RT: 4.59 - 4.71 SM: 9G

HIGHPOS #561 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 7.03E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

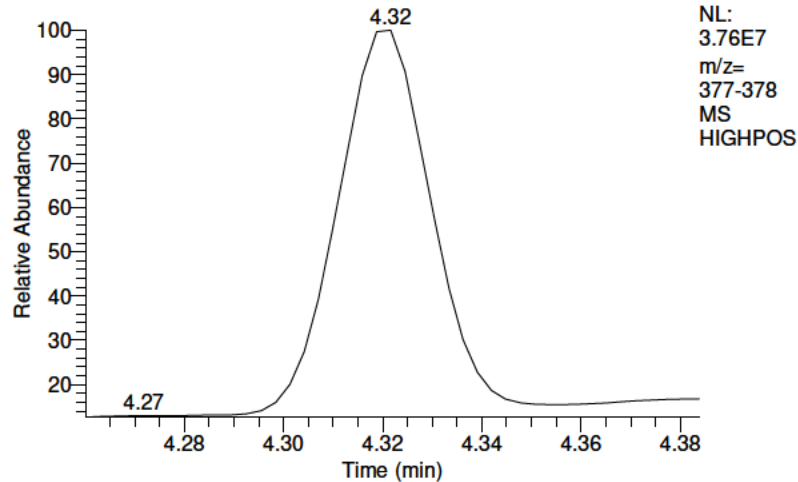
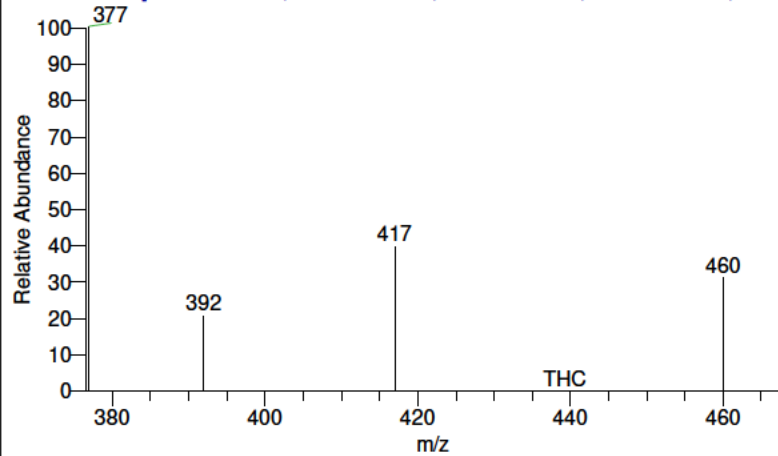
RT: 4.62 - 4.72 SM: 9G

HIGHPOS #571 RT: 4.67 AV: 1 SB: 2 4.65, 4.69 NL: 1.58E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

HIGHPOS #447 RT: 4.30 AV: 1 SB: 2 4.29, 4.33 NL: 3.44E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

HIGHPOS #455 RT: 4.32 AV: 1 SB: 2 4.30, 4.34 NL: 3.10E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

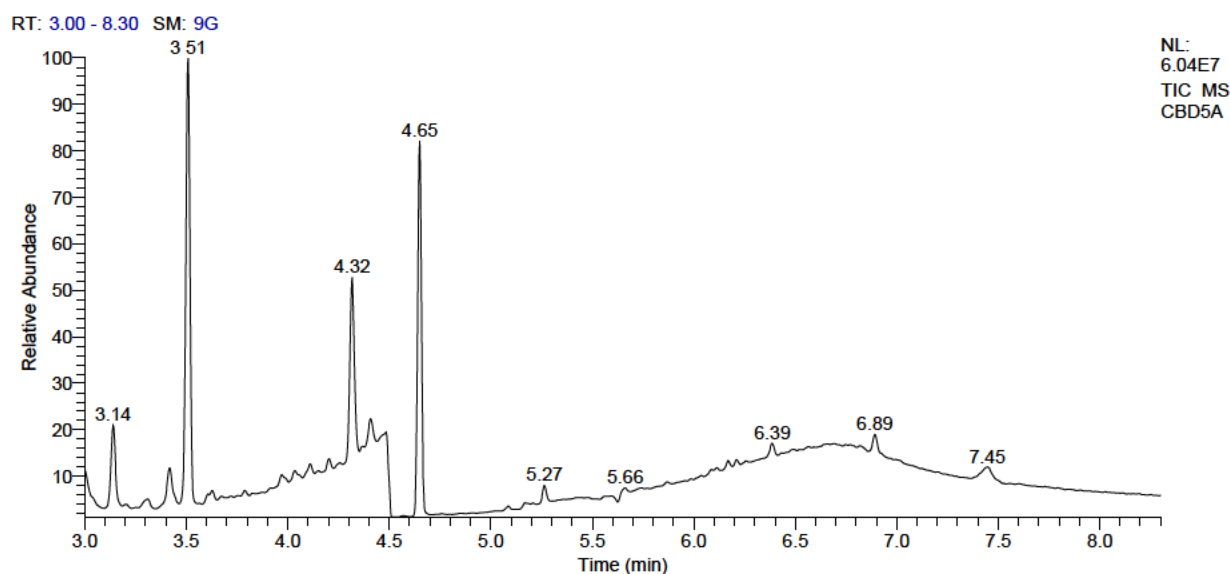
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD5A

**File Name:** CBD5A  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 11:20:26 AM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:11



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Calculated Amount |
|----------------|------|-------------------|-----------------|----------|-------------------|
| THC            | 4.33 | Target compound   | Yes             | 8351336  | 8.86              |
| THC-COOH       | N/A  | Target compound   | No              | N/A      | N/A               |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 10467641 | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3833063  | N/A               |

Amounts in ng/mL

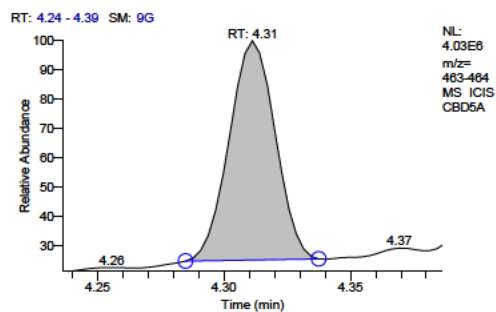
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

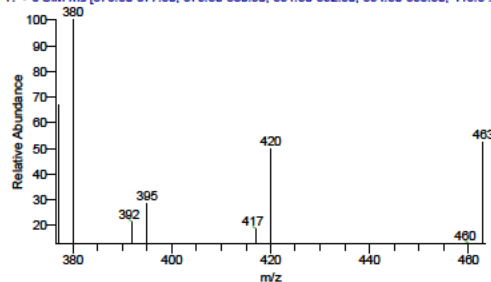
### LS-TX-GCMS6

Sample ID: CBD5A

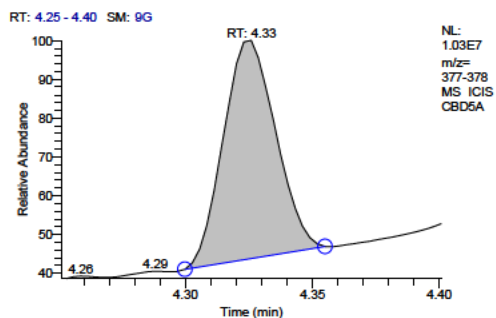
#### THC-D3



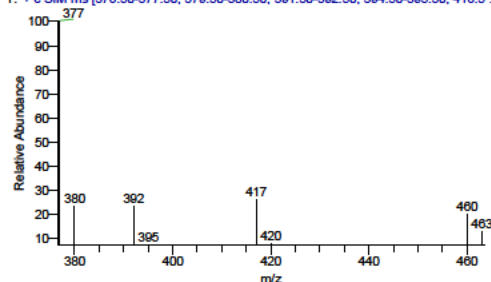
CBD5A #450 RT: 4.31 AV: 1 NL: 8.81E6  
T: + c SIM ms [376.50-377.50, 378.50-380.50, 391.50-392.50, 394.50-395.50, 416.5 ...



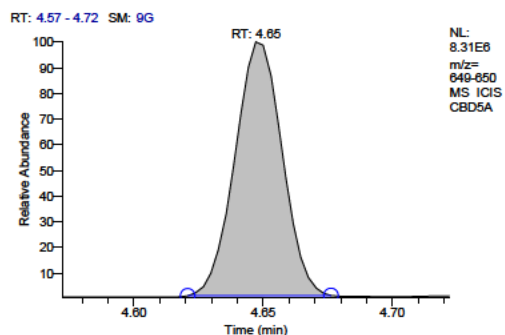
#### THC



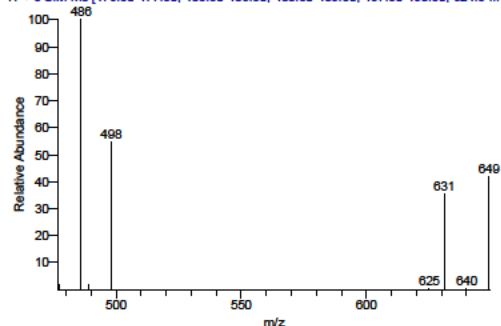
CBD5A #455 RT: 4.33 AV: 1 NL: 1.11E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.5 ...



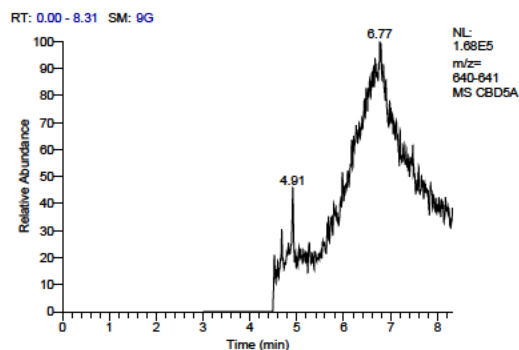
#### THC-COOH-D9



CBD5A #604 RT: 4.65 AV: 1 NL: 2.40E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...

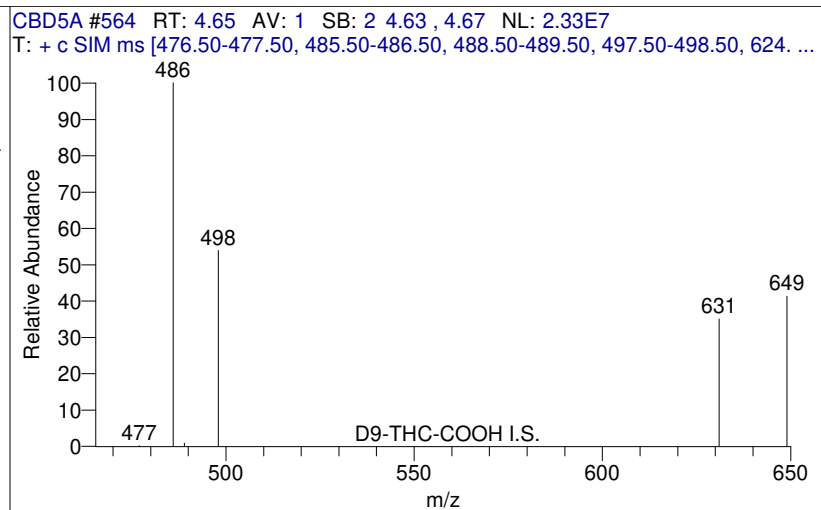
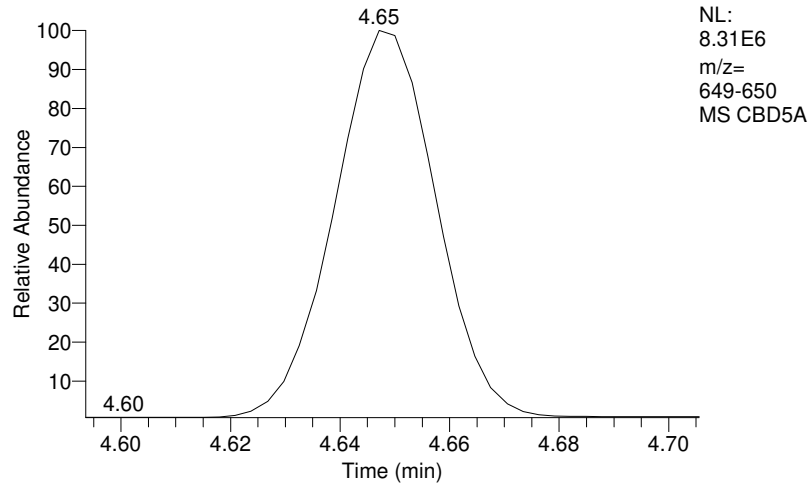


#### THC-COOH

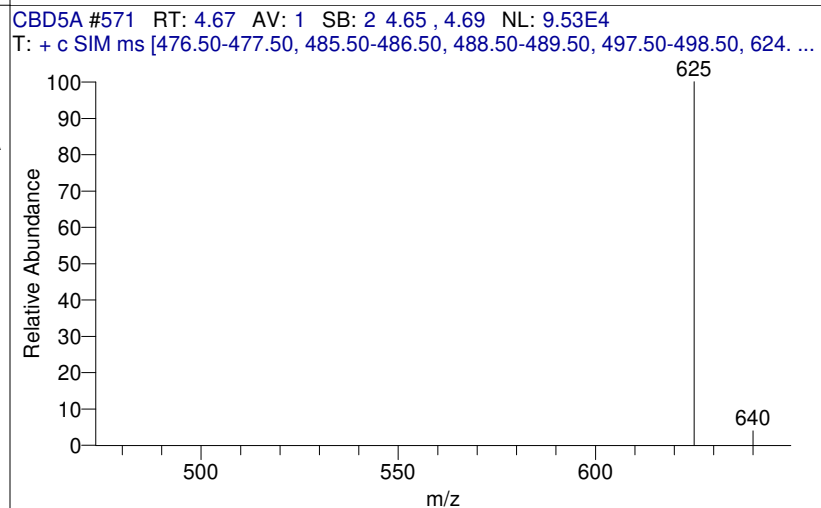
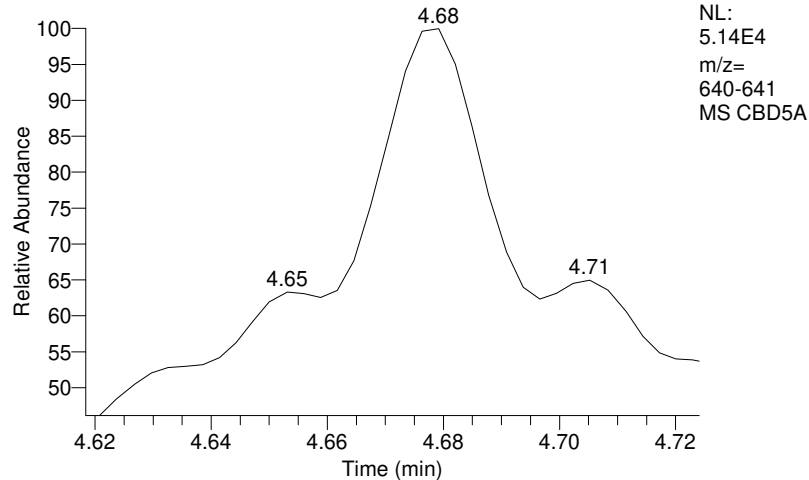


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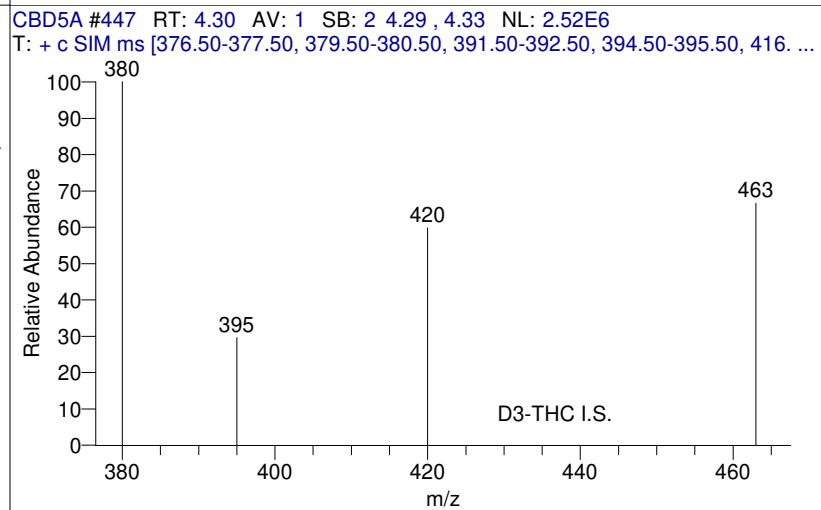
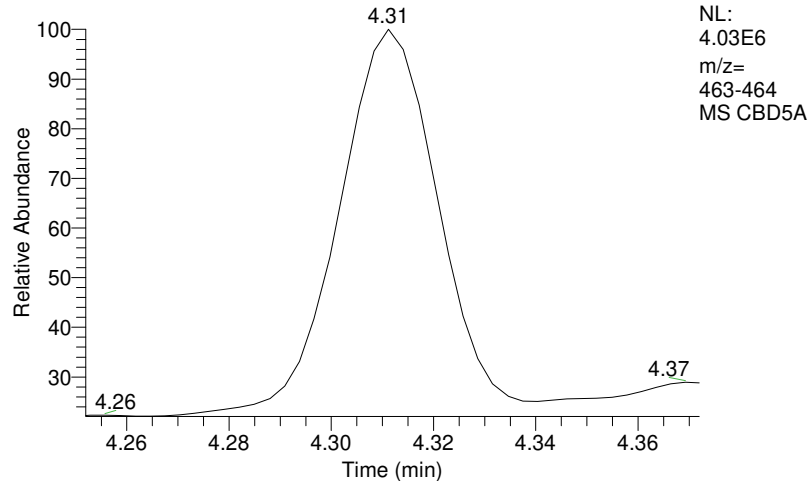
RT: 4.59 - 4.71 SM: 9G



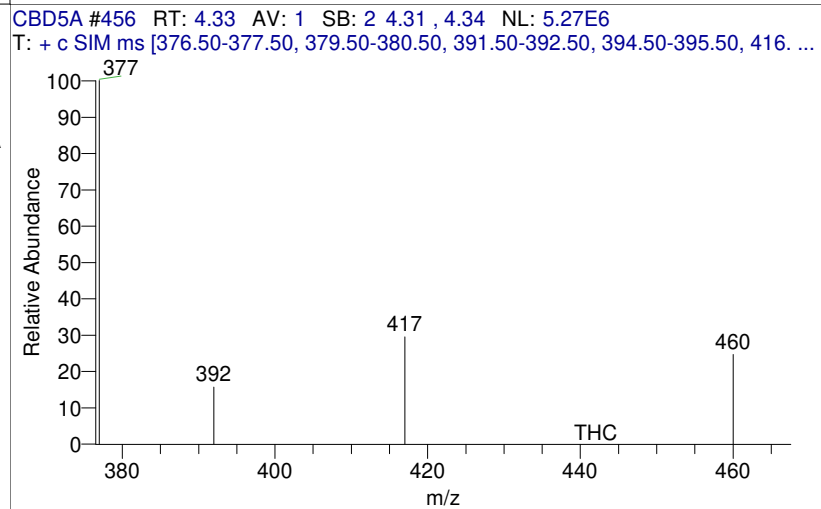
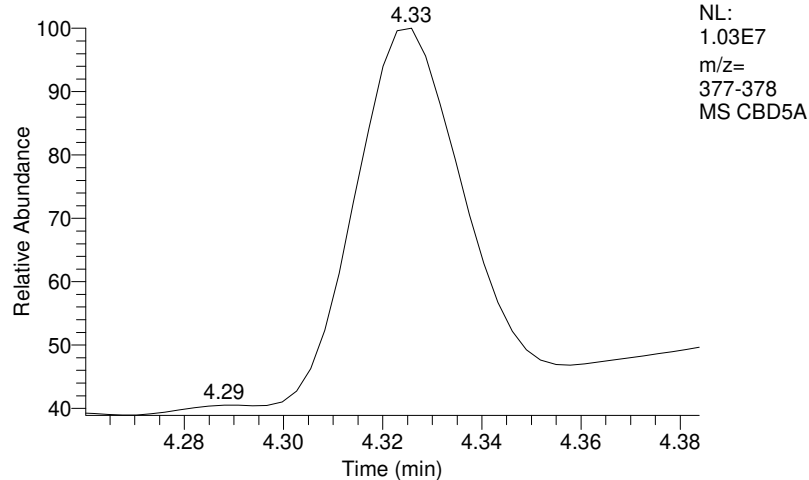
RT: 4.62 - 4.72 SM: 9G



RT: 4.25 - 4.37 SM: 9G



RT: 4.26 - 4.38 SM: 9G





# Michigan State Police Toxicology Unit

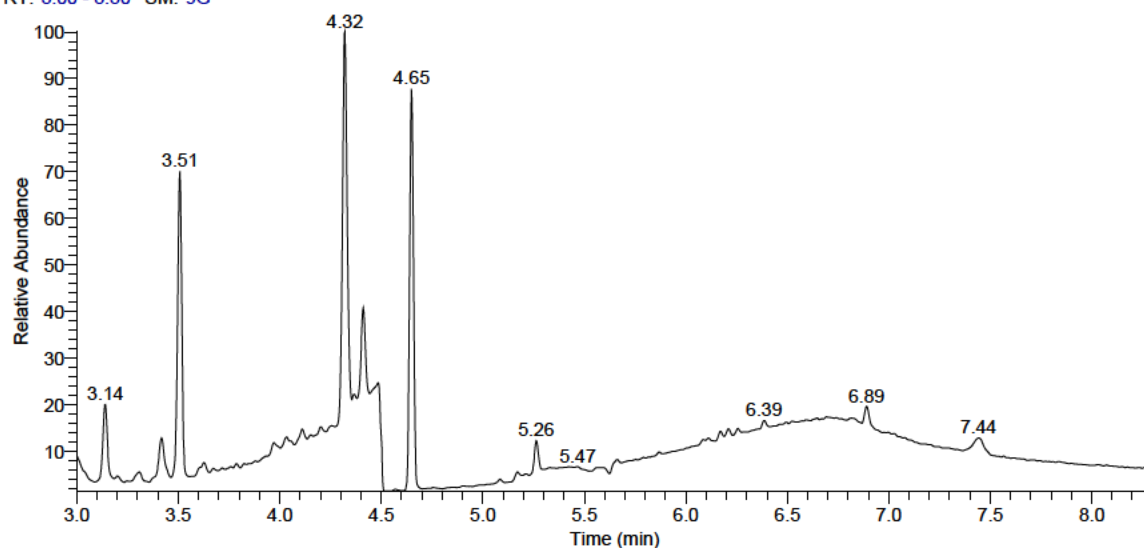
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD20A

**File Name:** CBD20A  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 11:33:02 AM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:14

RT: 3.00 - 8.30 SM: 9G



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Calculated Amount |
|----------------|------|-------------------|-----------------|----------|-------------------|
| THC            | 4.32 | Target compound   | Yes             | 29910660 | 35.73             |
| THC-COOH       | N/A  | Target compound   | No              | N/A      | N/A               |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 10863756 | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3480898  | N/A               |

Amounts in ng/mL

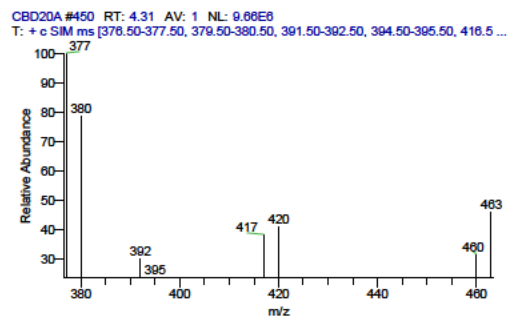
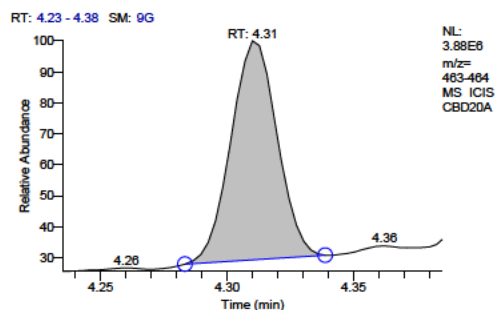
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

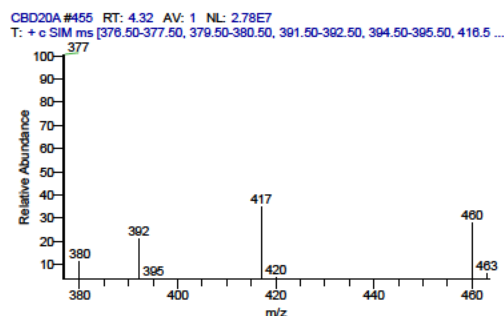
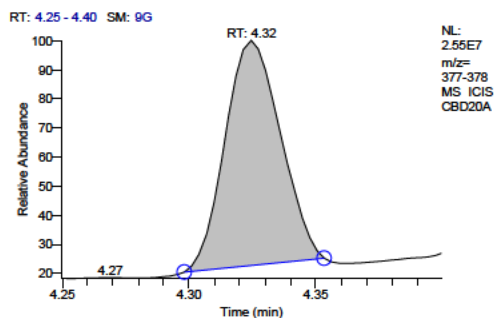
### LS-TX-GCMS6

Sample ID: CBD20A

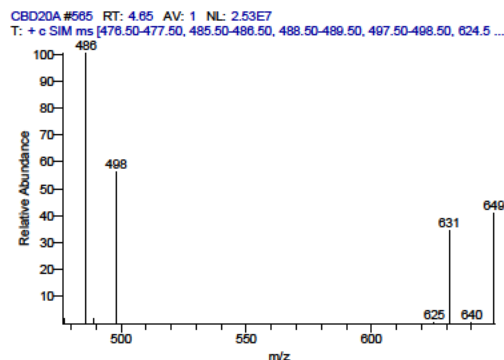
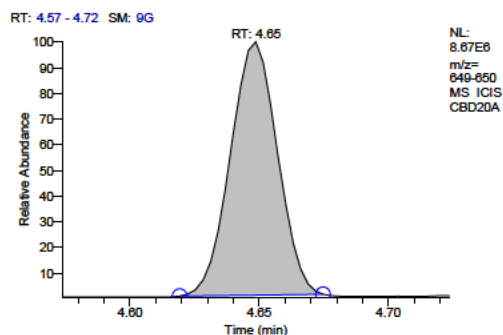
#### THC-D3



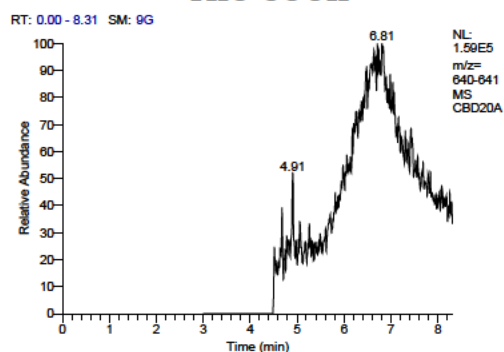
#### THC



#### THC-COOH-D9

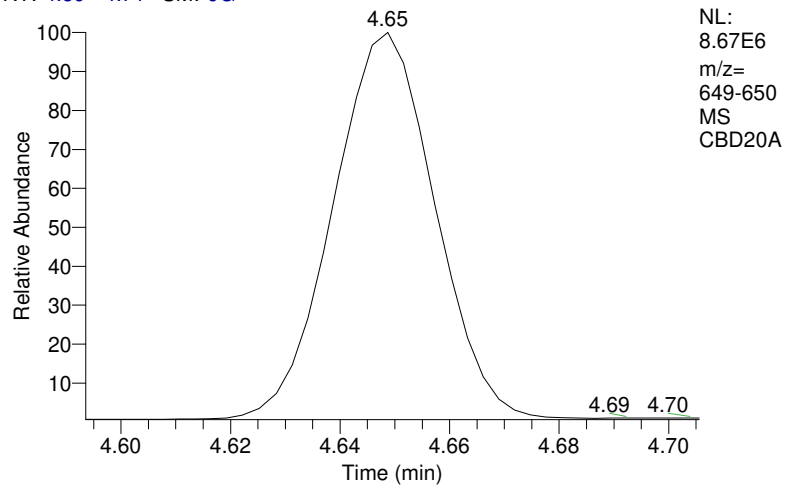
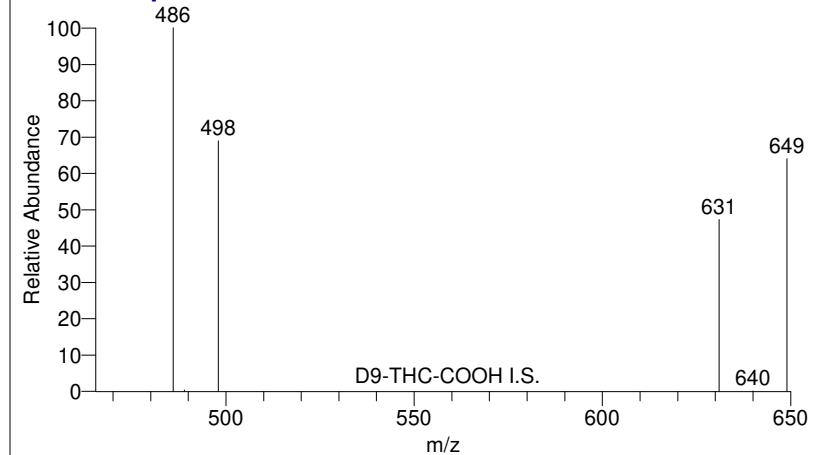


#### THC-COOH

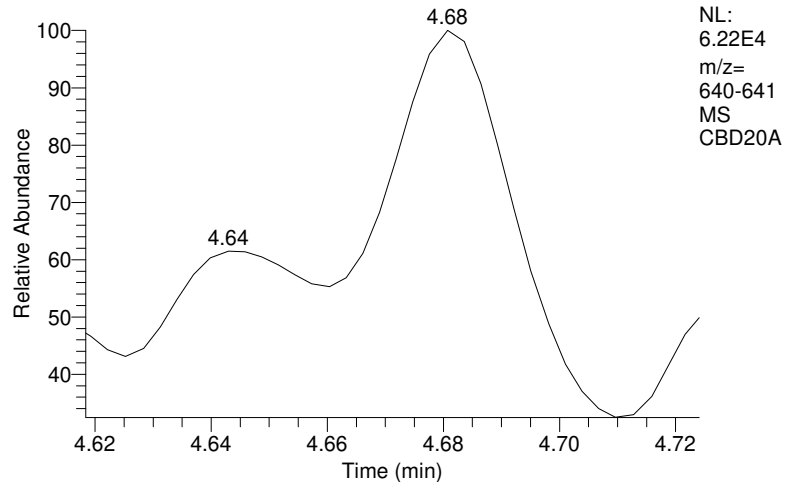
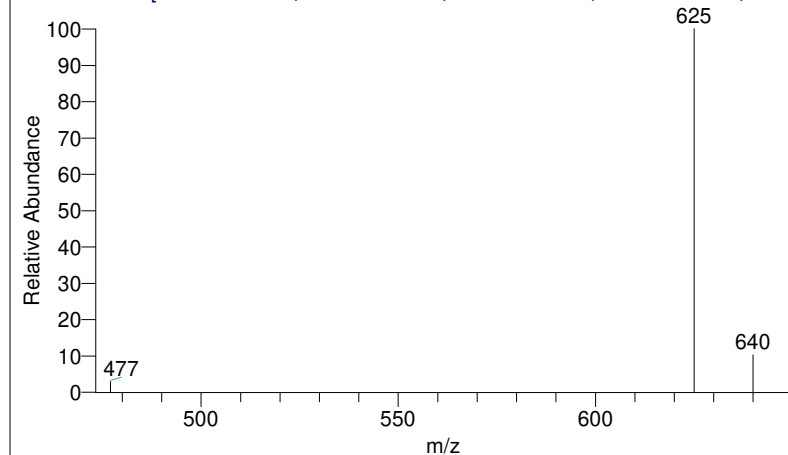


There's no data available to display this graphic object.

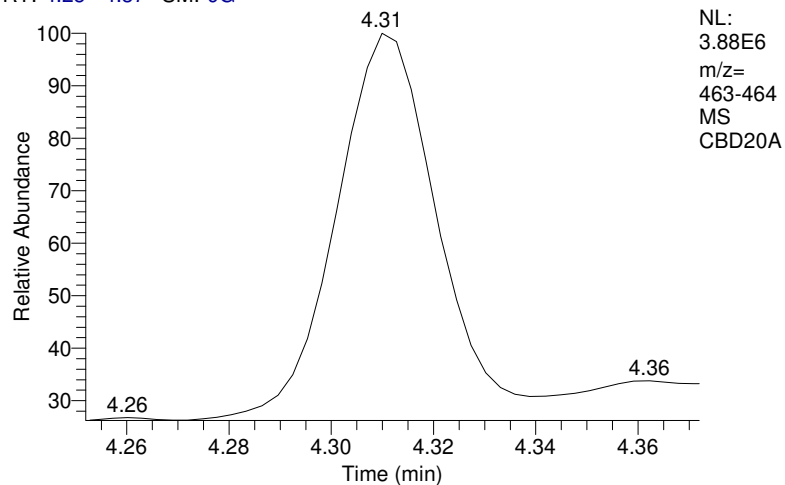
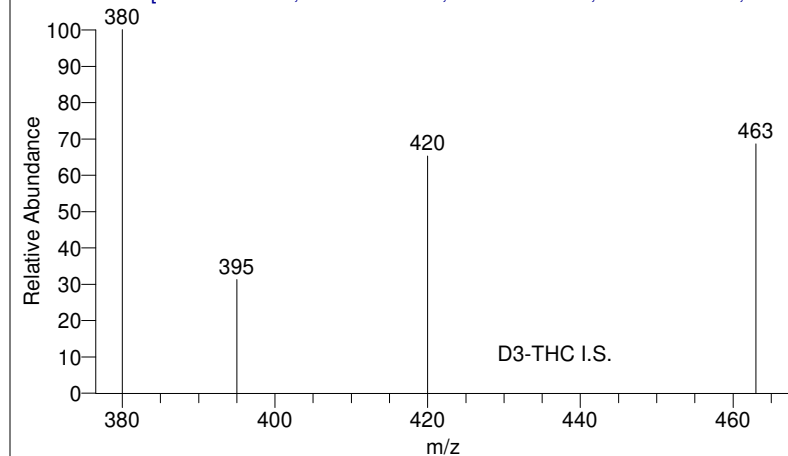
RT: 4.59 - 4.71 SM: 9G

CBD20A #561 RT: 4.64 AV: 1 SB: 2 4.63 , 4.67 NL: 4.43E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

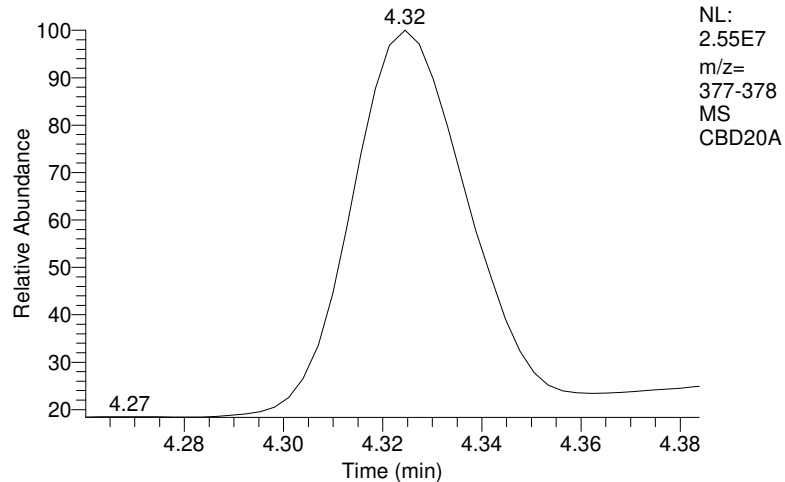
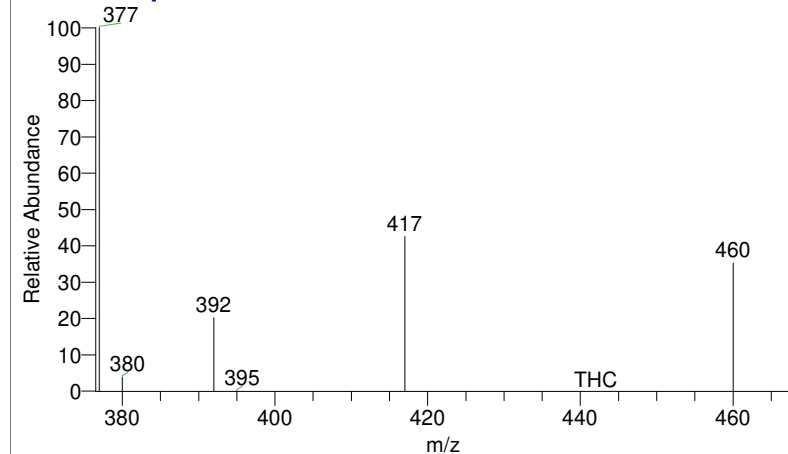
RT: 4.62 - 4.72 SM: 9G

CBD20A #574 RT: 4.67 AV: 1 SB: 2 4.65 , 4.69 NL: 1.25E5  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

CBD20A #447 RT: 4.30 AV: 1 SB: 2 4.29 , 4.33 NL: 1.78E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

CBD20A #455 RT: 4.32 AV: 1 SB: 2 4.30 , 4.34 NL: 2.03E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

# Michigan State Police Toxicology Unit

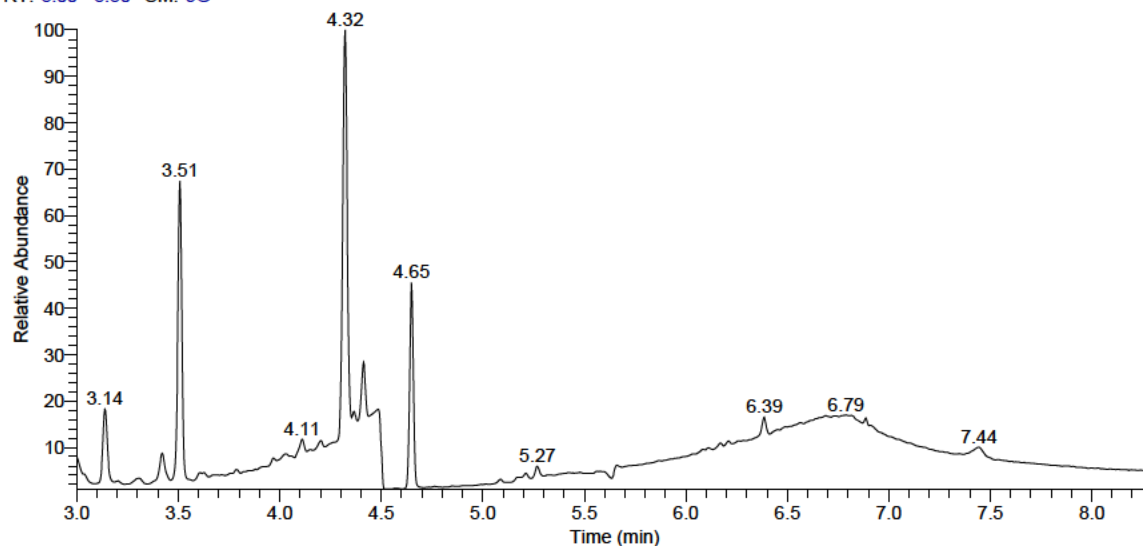
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD40A

**File Name:** CBD40A  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 11:45:37 AM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:17

RT: 3.00 - 8.30 SM: 9G



NL:  
9.15E7  
TIC MS  
CBD40A

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Calculated Amount |
|----------------|------|-------------------|-----------------|----------|-------------------|
| THC            | 4.33 | Target compound   | Yes             | 52294411 | 65.88             |
| THC-COOH       | N/A  | Target compound   | No              | N/A      | N/A               |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 8665987  | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3311357  | N/A               |

Amounts in ng/mL

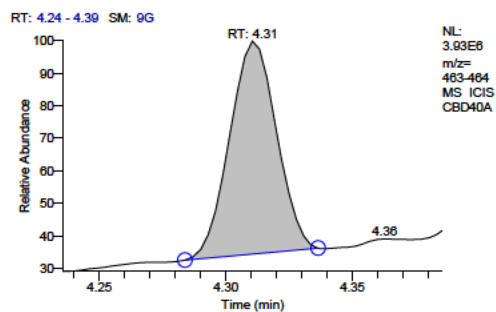
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

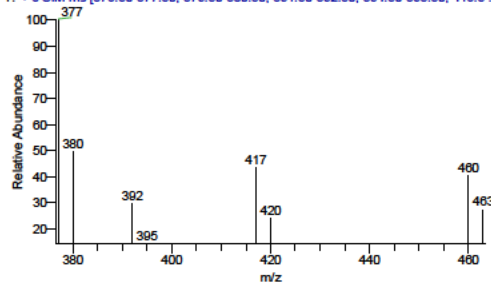
### LS-TX-GCMS6

Sample ID: CBD40A

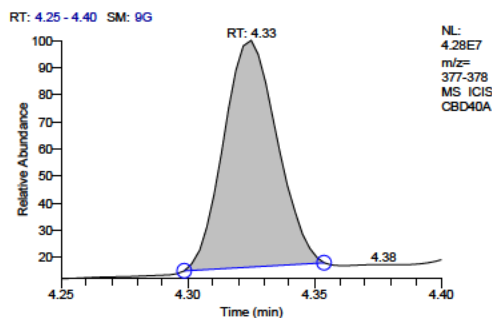
#### THC-D3



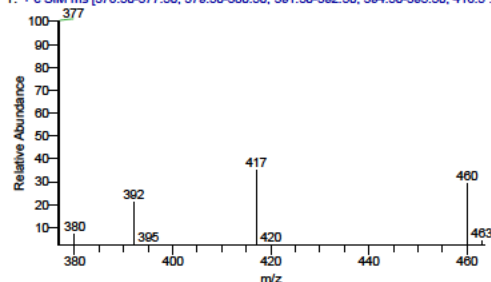
CBD40A #450 RT: 4.31 AV: 1 NL: 1.63E7  
T: + c SIM ms [376.50-377.50, 378.50-380.50, 391.50-392.50, 394.50-395.50, 416.5 ...



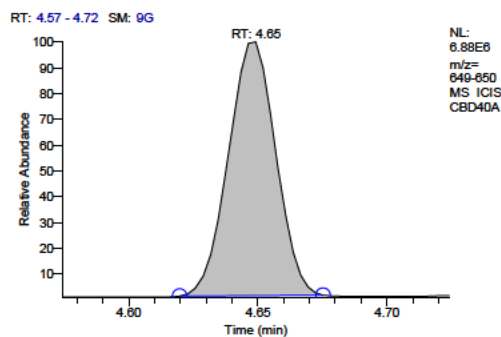
#### THC



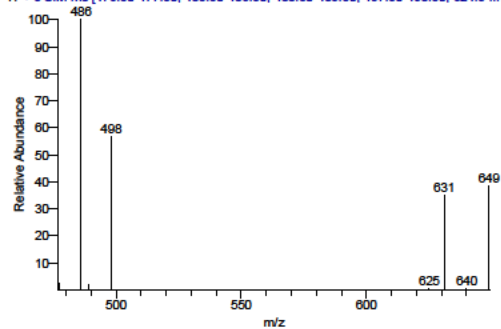
CBD40A #455 RT: 4.33 AV: 1 NL: 4.81E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416.5 ...



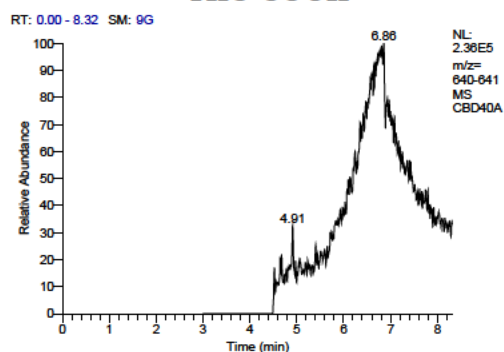
#### THC-COOH-D9



CBD40A #565 RT: 4.65 AV: 1 NL: 2.09E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...

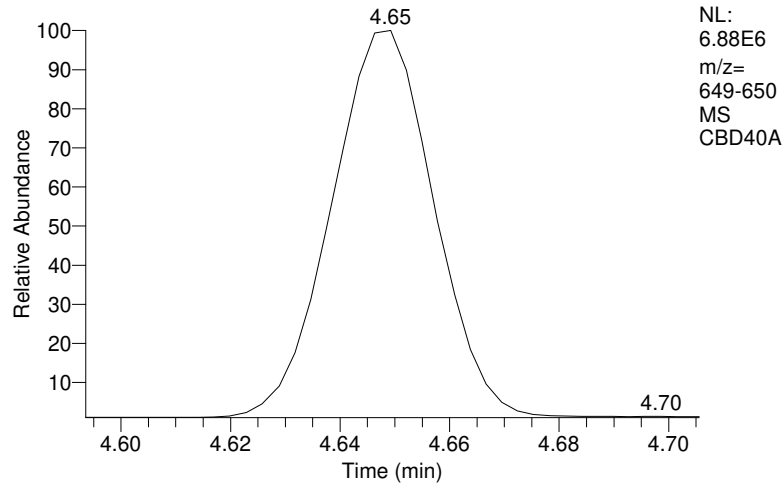
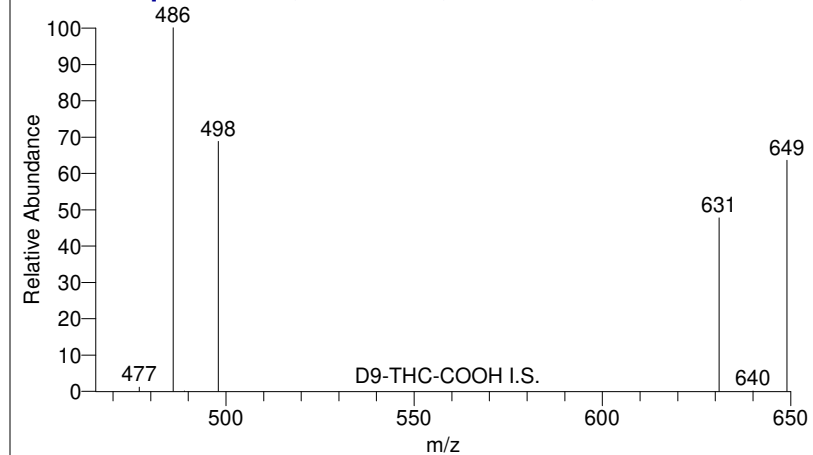


#### THC-COOH

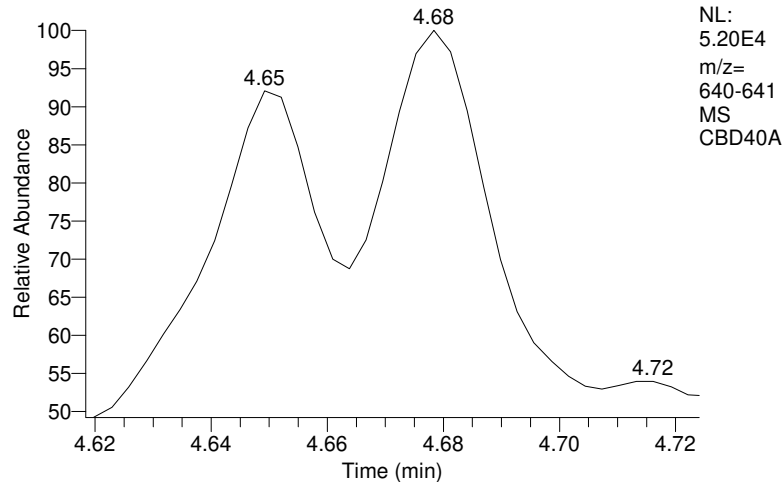
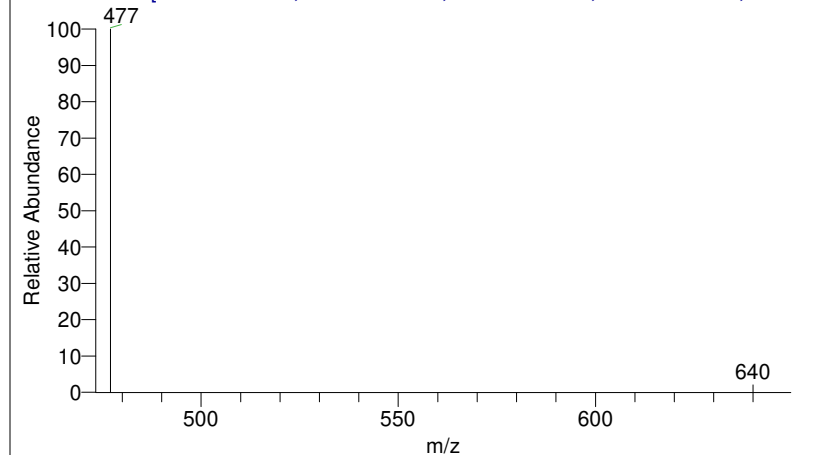


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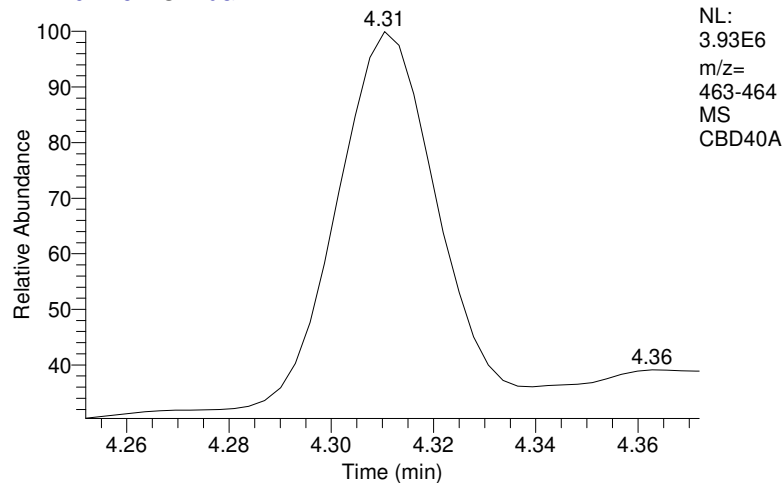
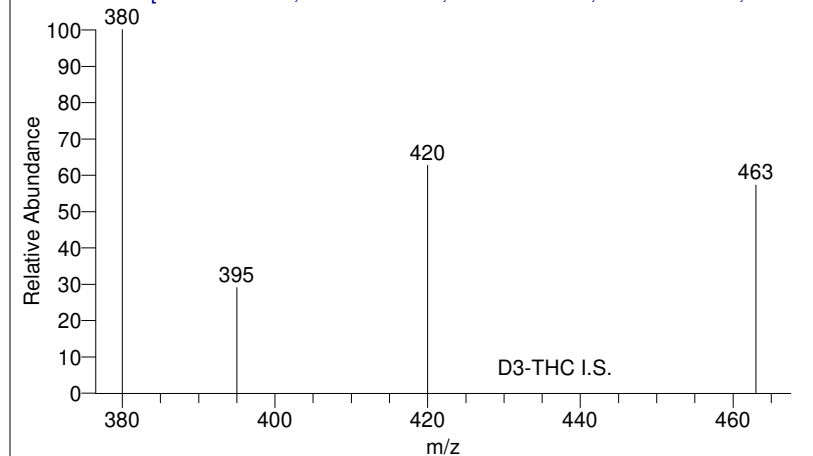
RT: 4.59 - 4.71 SM: 9G

CBD40A #561 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 4.17E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

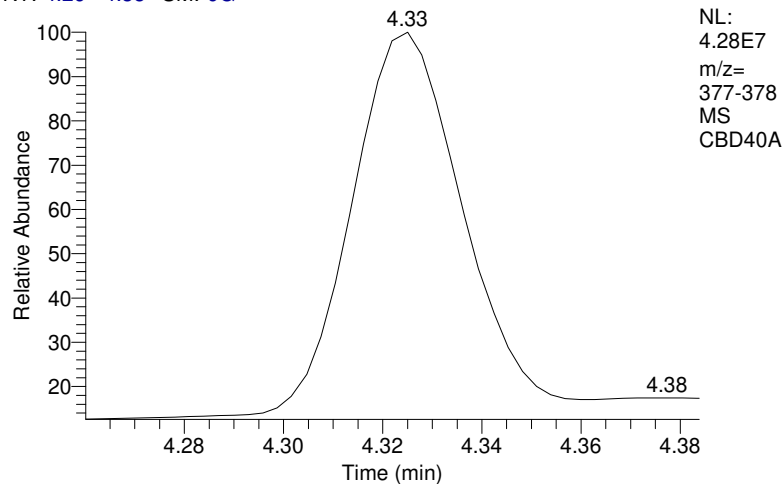
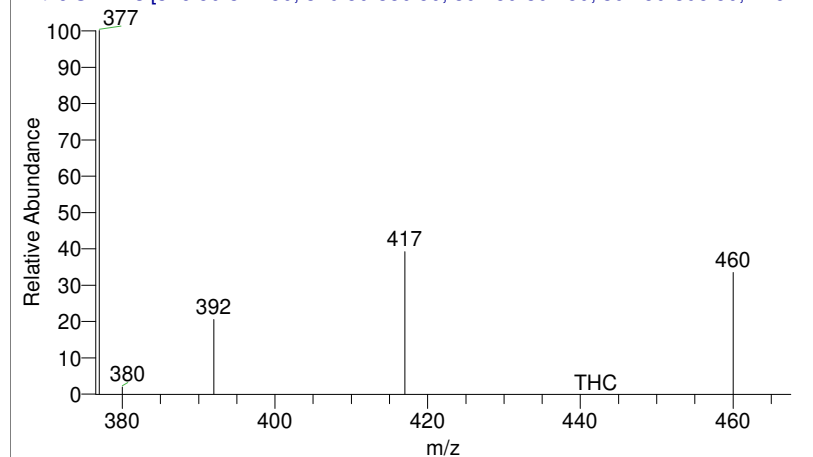
RT: 4.62 - 4.72 SM: 9G

CBD40A #577-578 RT: 4.68-4.69 AV: 2 SB: 2 4.65, 4.69 NL: 5.38E4  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

CBD40A #448 RT: 4.30 AV: 1 SB: 2 4.29, 4.33 NL: 3.64E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

CBD40A #455 RT: 4.33 AV: 1 SB: 2 4.30, 4.35 NL: 3.88E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

# Michigan State Police Toxicology Unit

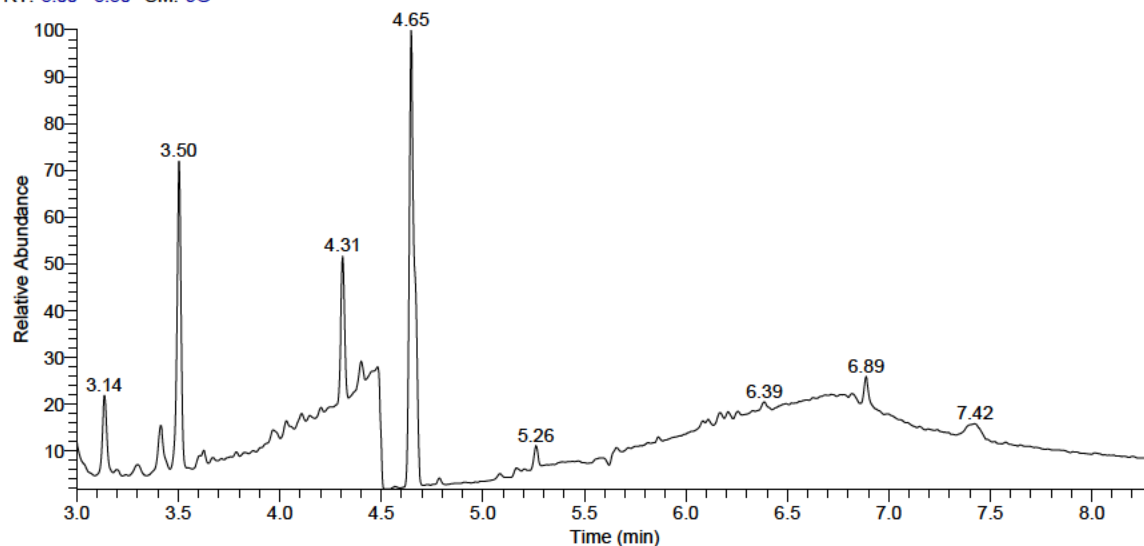
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD-COOH40A

**File Name:** CBD-COOH40A  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 11:58:15 AM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:20

RT: 3.00 - 8.30 SM: 9G



NL:  
4.50E7  
TIC MS  
CBD-  
COOH40A

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area    | Calculated Amount |
|----------------|------|-------------------|-----------------|---------|-------------------|
| THC            | N/A  | Target compound   | No              | N/A     | N/A               |
| THC-COOH       | 4.67 | Target compound   | Yes             | 4159126 | 43.84             |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 9334202 | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3190836 | N/A               |

Amounts in ng/mL

# Michigan State Police Toxicology Unit

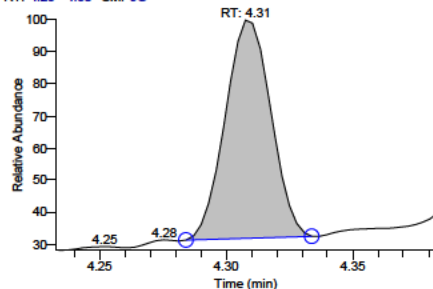
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

Sample ID: CBD-COOH40A

#### THC-D3

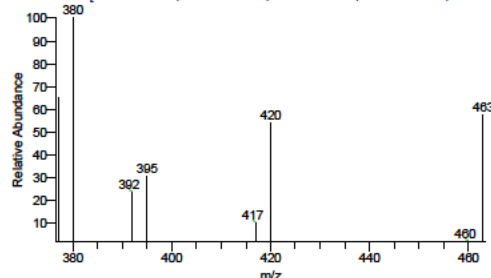
RT: 4.23 - 4.38 SM: 9G



NL:  
3.73E8  
m/z=  
463-464  
MS: ICIS  
CBD-  
COOH40A

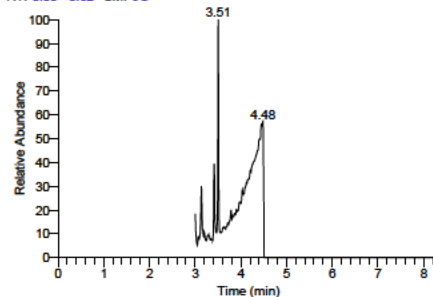
CBD-COOH40A #449 RT: 4.31 AV: 1 NL: 7.34E8

T: + c SIM ms [376.50-377.50, 378.50-380.50, 391.50-392.50, 394.50-395.50, 416.5 ...



#### THC

RT: 0.00 - 8.32 SM: 9G

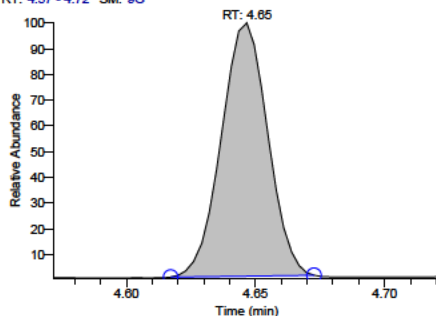


NL:  
1.14E7  
m/z=  
377-378  
MS  
CBD-  
COOH40A

There's no data available to display this graphic object.

#### THC-COOH-D9

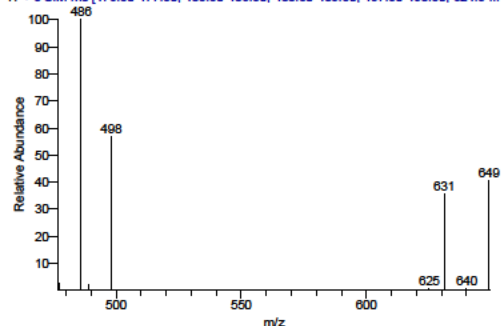
RT: 4.57 - 4.72 SM: 9G



NL:  
7.58E8  
m/z=  
649-650  
MS: ICIS  
CBD-  
COOH40A

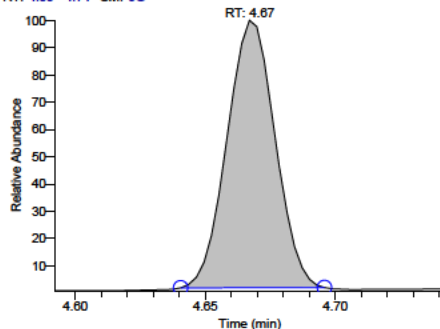
CBD-COOH40A #564 RT: 4.65 AV: 1 NL: 2.20E7

T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...



#### THC-COOH

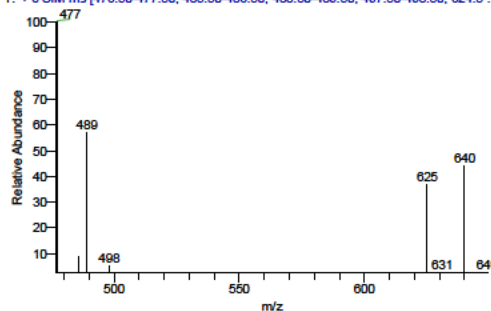
RT: 4.59 - 4.74 SM: 9G



NL:  
3.30E8  
m/z=  
640-641  
MS: ICIS  
CBD-  
COOH40A

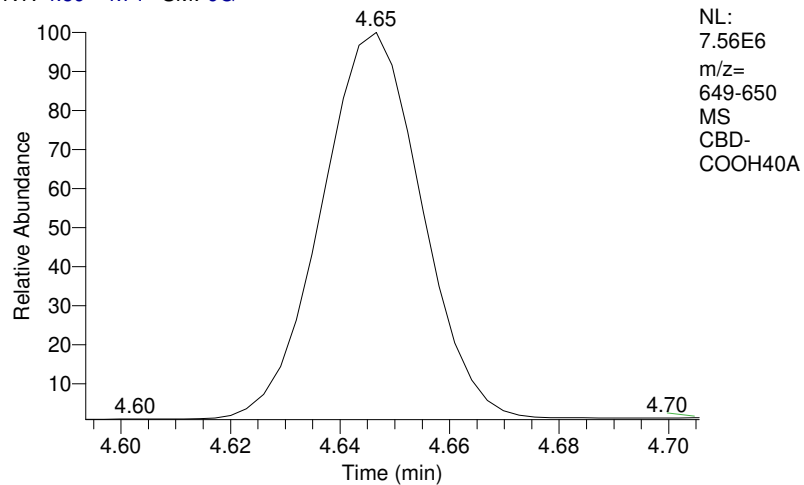
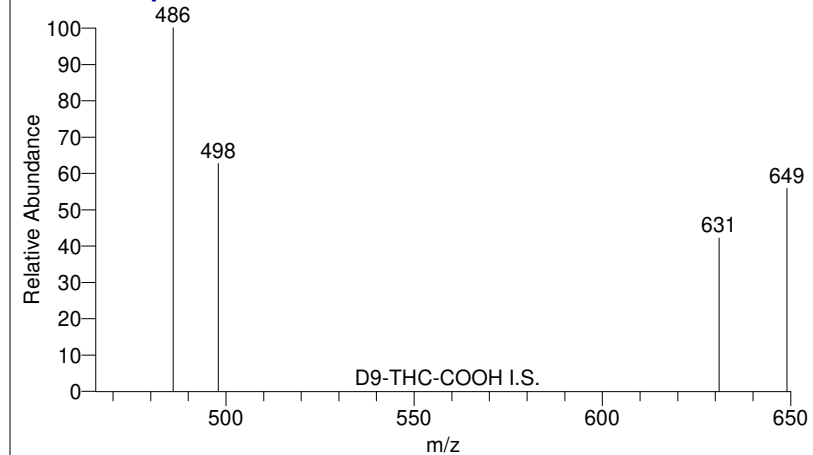
CBD-COOH40A #571 RT: 4.67 AV: 1 NL: 8.85E8

T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...

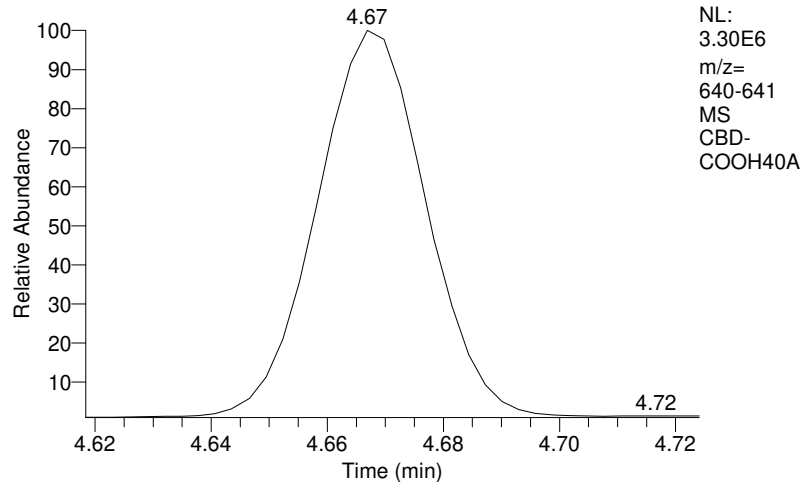
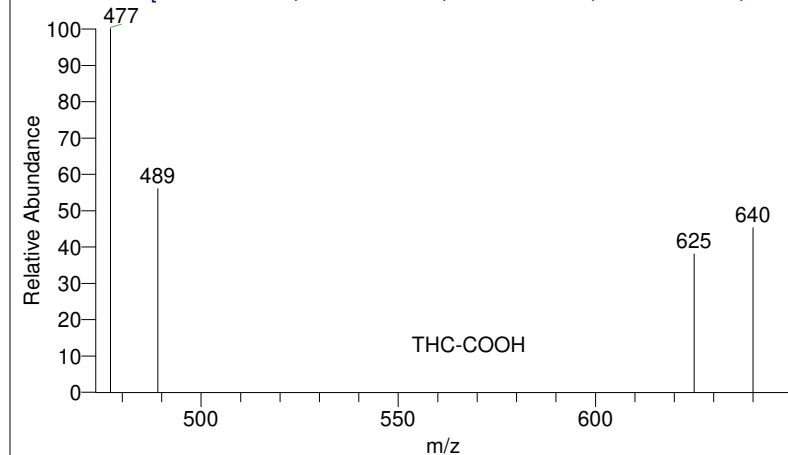




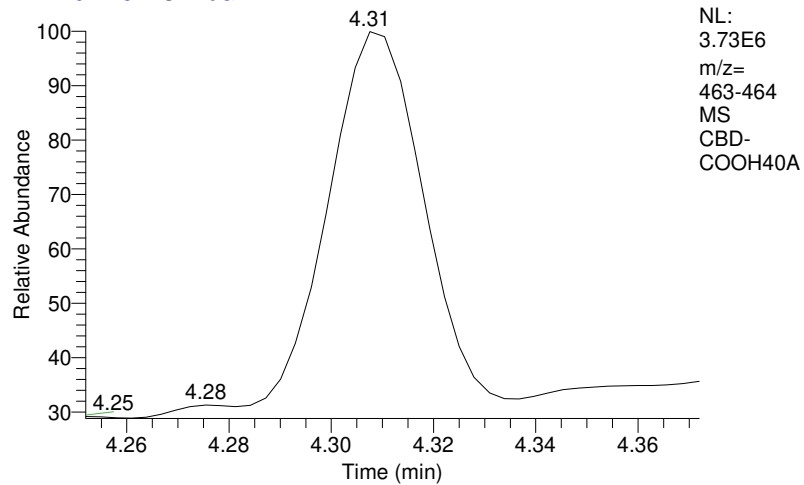
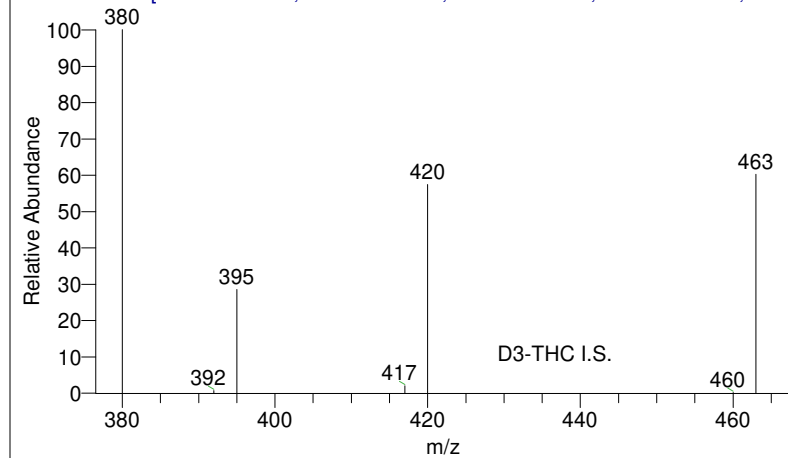
RT: 4.59 - 4.71 SM: 9G

CBD-COOH40A #561 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 7.64E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

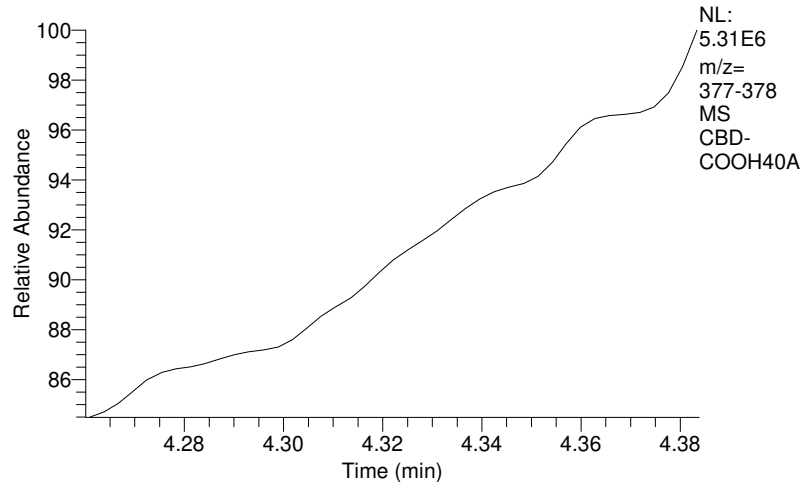
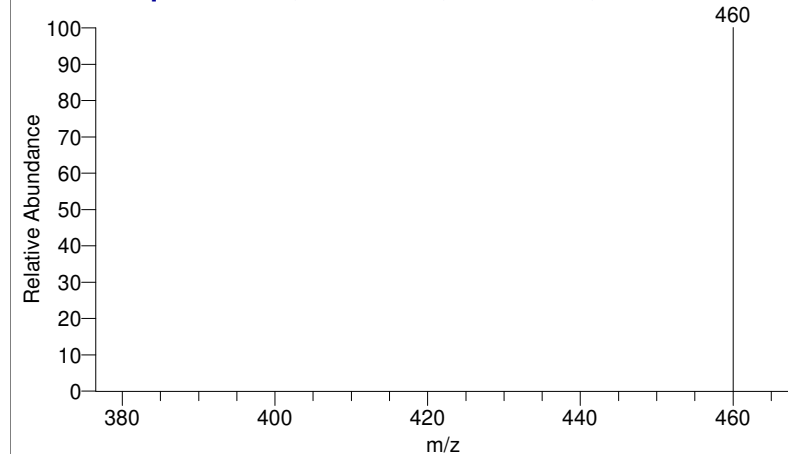
RT: 4.62 - 4.72 SM: 9G

CBD-COOH40A #571 RT: 4.67 AV: 1 SB: 2 4.65, 4.69 NL: 8.05E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

CBD-COOH40A #446 RT: 4.30 AV: 1 SB: 2 4.29, 4.33 NL: 1.78E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

CBD-COOH40A #455 RT: 4.33 AV: 1 SB: 2 4.30, 4.35 NL: 1.07E4  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

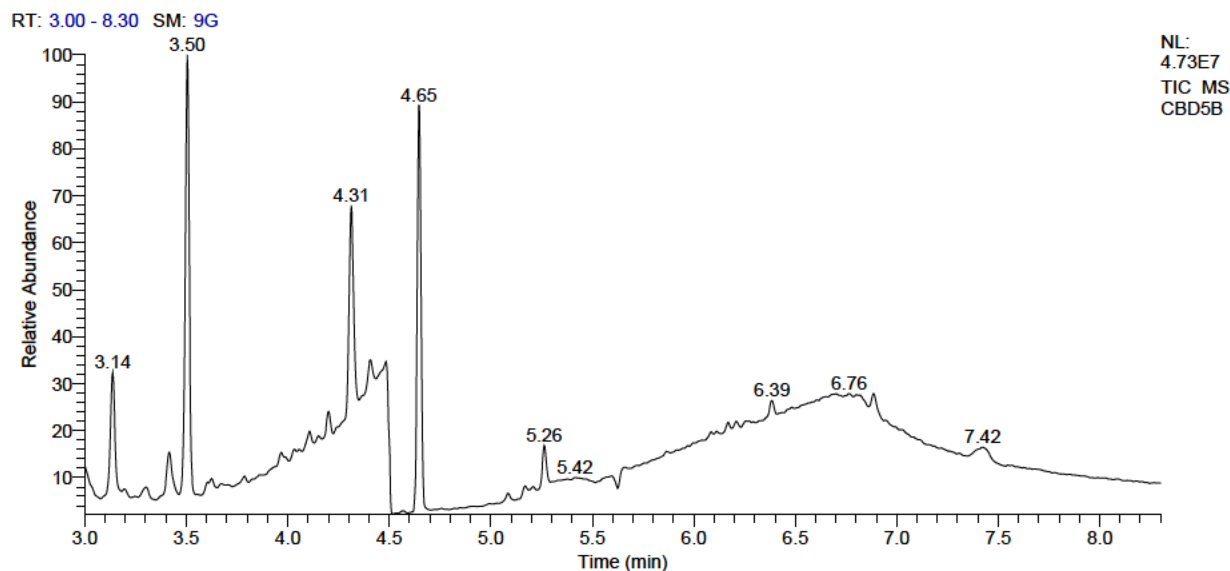
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD5B

**File Name:** CBD5B  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 12:36:45 PM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:12



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area    | Calculated Amount |
|----------------|------|-------------------|-----------------|---------|-------------------|
| THC            | 4.32 | Target compound   | Yes             | 7148015 | 8.33              |
| THC-COOH       | N/A  | Target compound   | No              | N/A     | N/A               |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 8586173 | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3486532 | N/A               |

**Amounts in ng/mL**

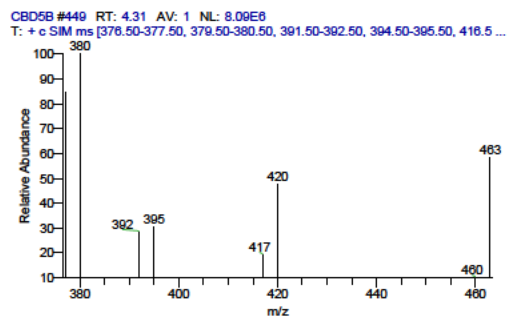
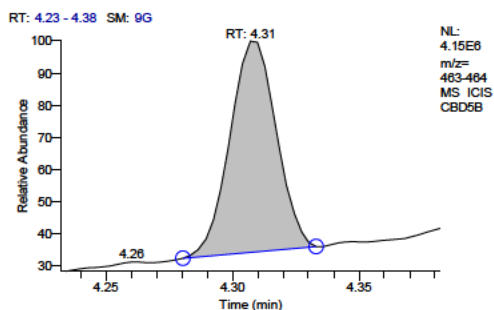
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

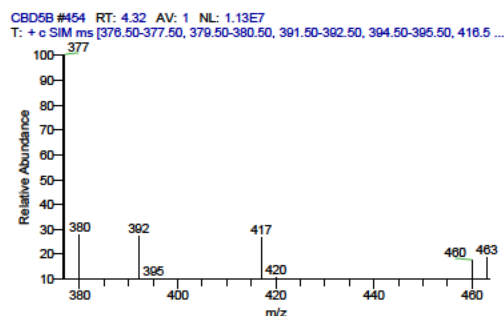
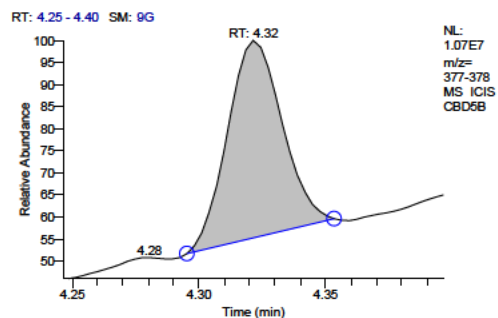
### LS-TX-GCMS6

Sample ID: CBD5B

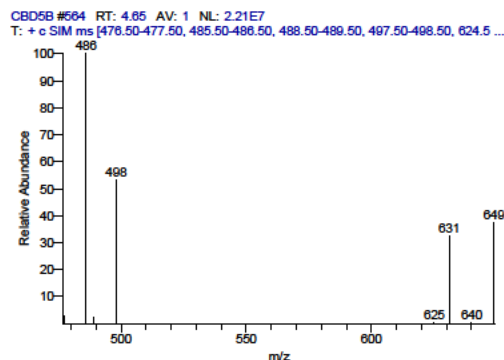
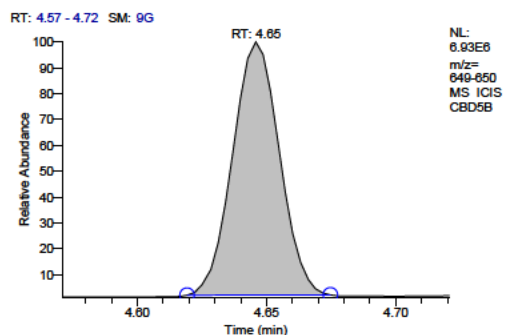
#### THC-D3



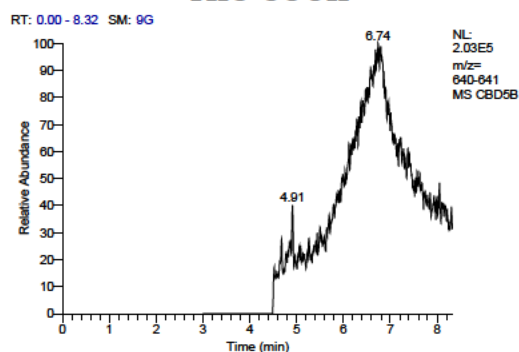
#### THC



#### THC-COOH-D9

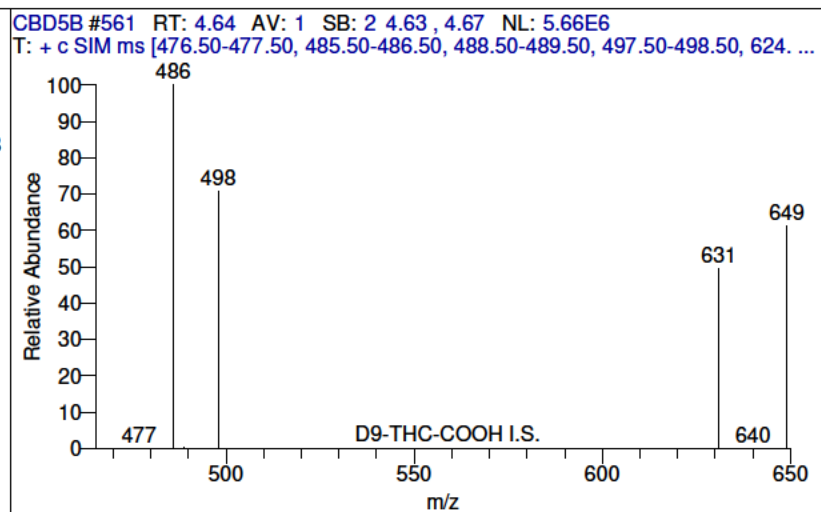
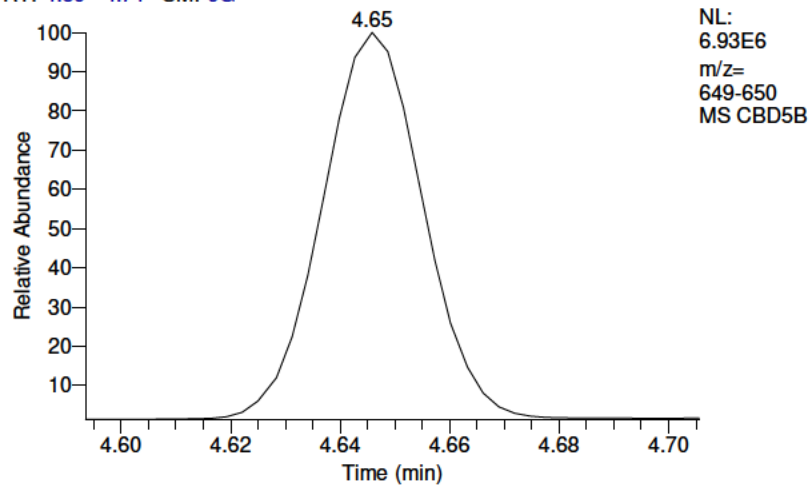


#### THC-COOH

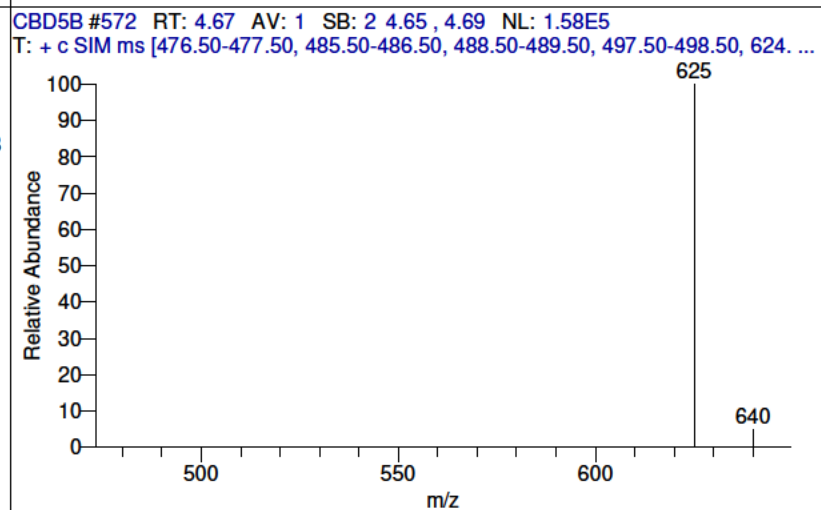
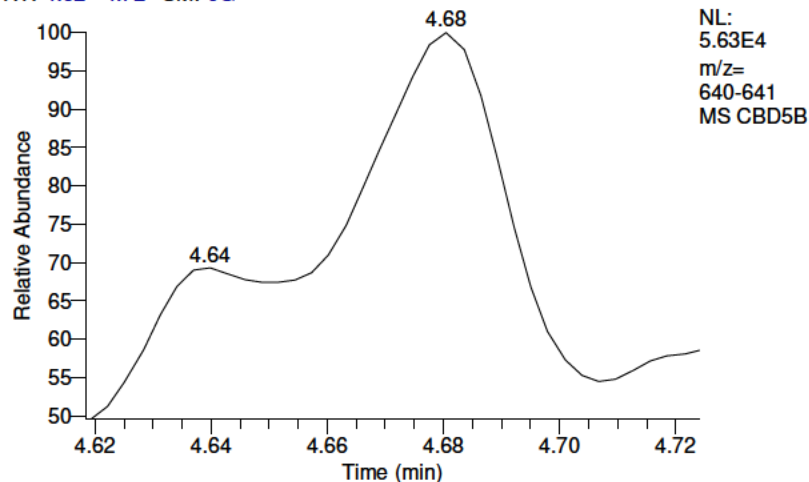


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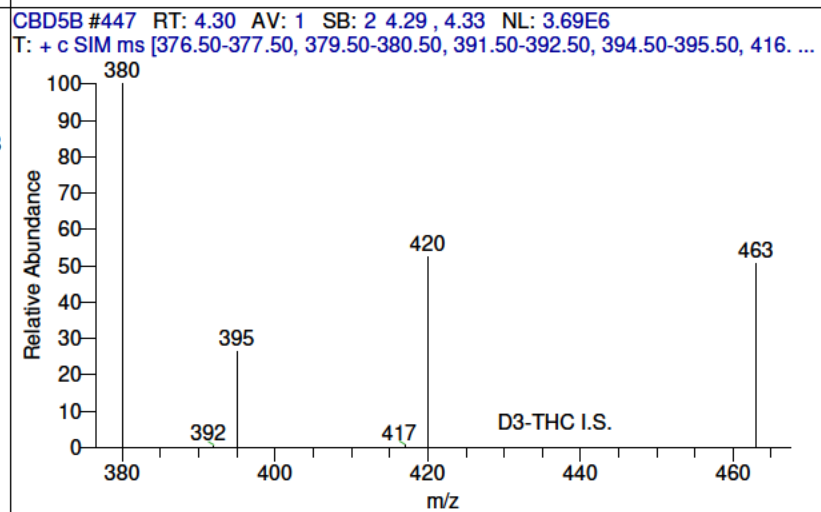
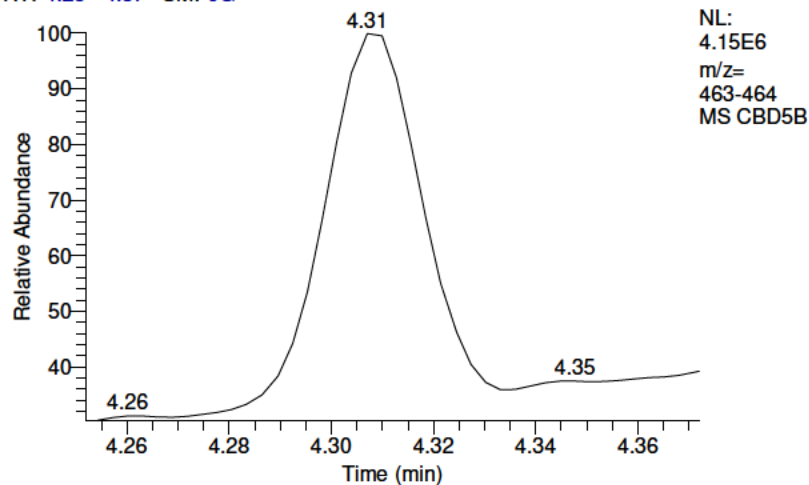
RT: 4.59 - 4.71 SM: 9G



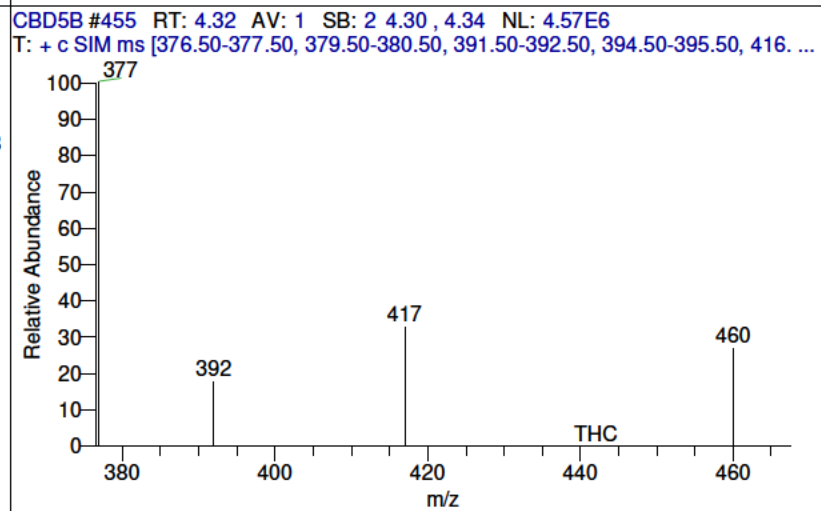
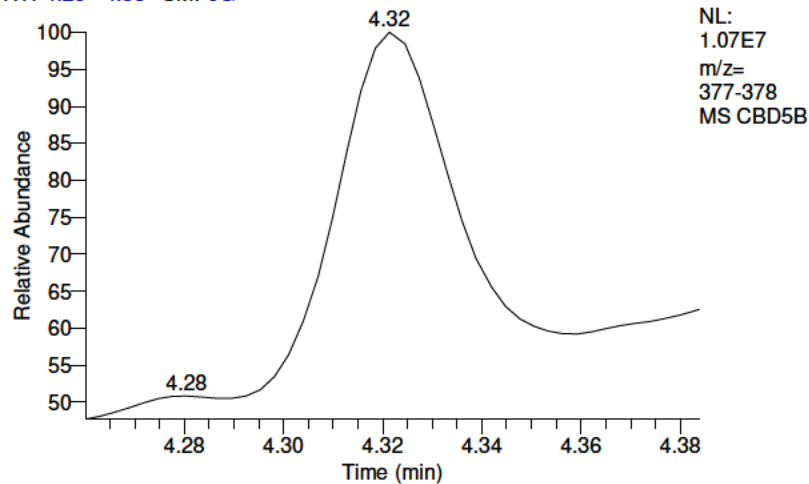
RT: 4.62 - 4.72 SM: 9G



RT: 4.25 - 4.37 SM: 9G



RT: 4.26 - 4.38 SM: 9G



# Michigan State Police Toxicology Unit

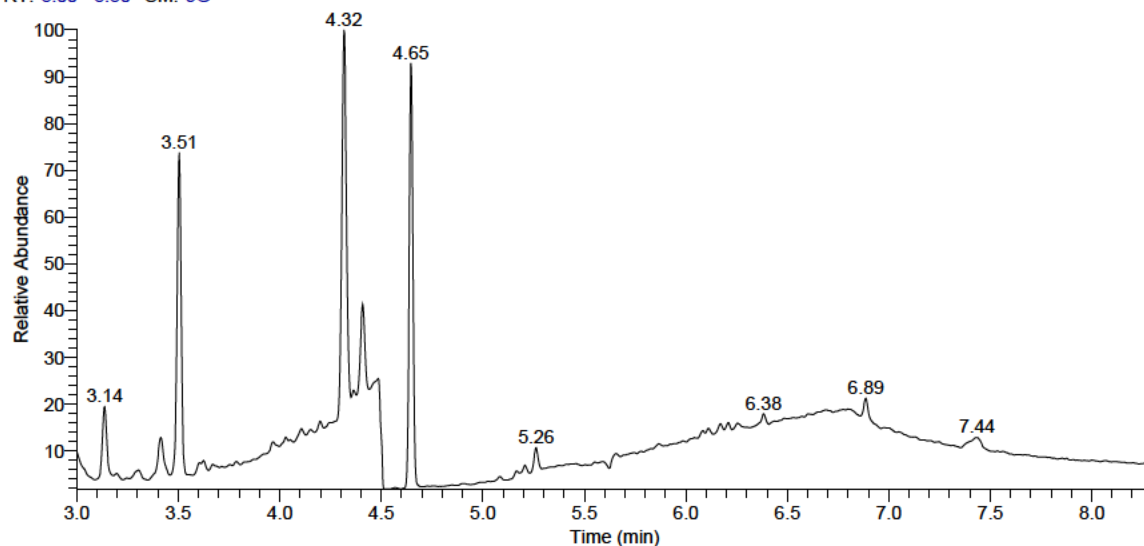
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD20B

**File Name:** CBD20B  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 12:49:21 PM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:15

RT: 3.00 - 8.30 SM: 9G



NL:  
5.17E7  
TIC MS  
CBD20B

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Calculated Amount |
|----------------|------|-------------------|-----------------|----------|-------------------|
| THC            | 4.32 | Target compound   | Yes             | 25617761 | 32.49             |
| THC-COOH       | N/A  | Target compound   | No              | N/A      | N/A               |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 9578635  | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3275512  | N/A               |

Amounts in ng/mL

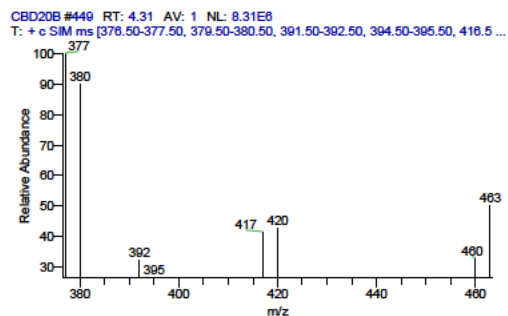
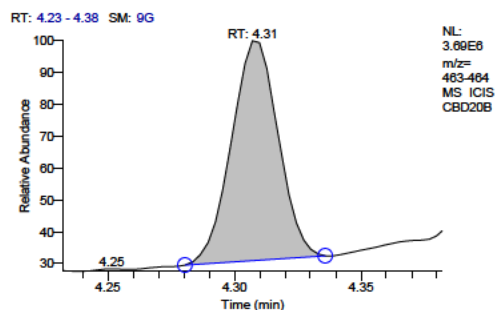
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

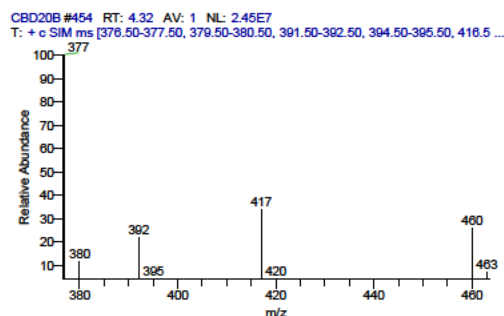
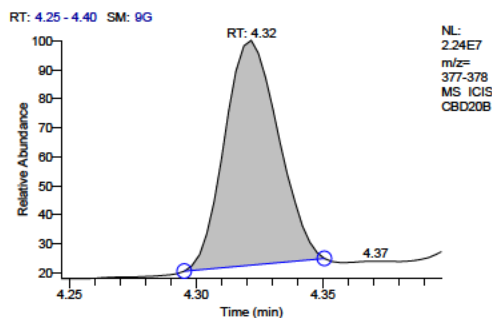
### LS-TX-GCMS6

Sample ID: CBD20B

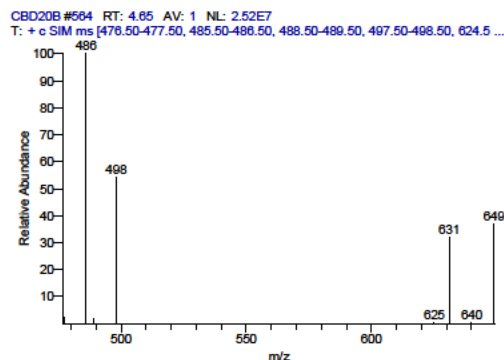
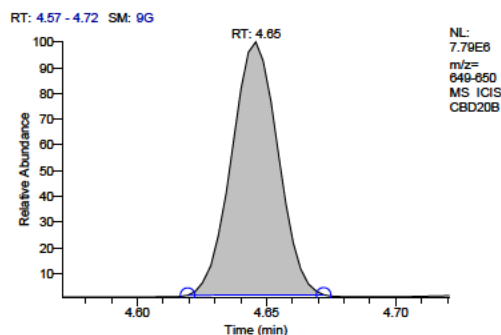
#### THC-D3



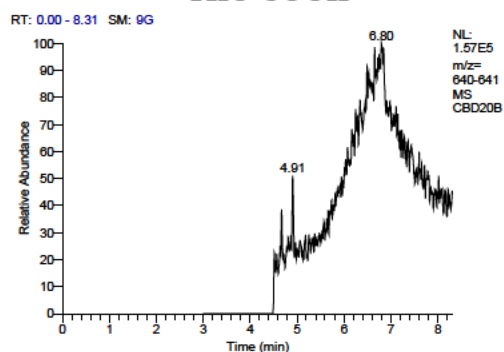
#### THC



#### THC-COOH-D9

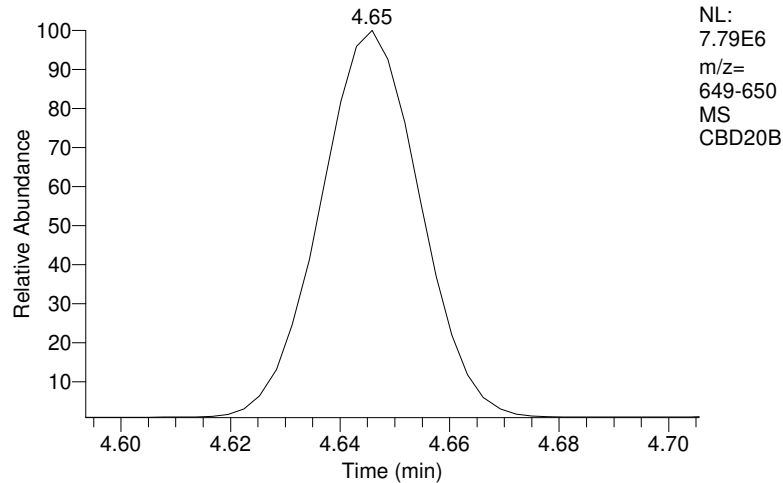
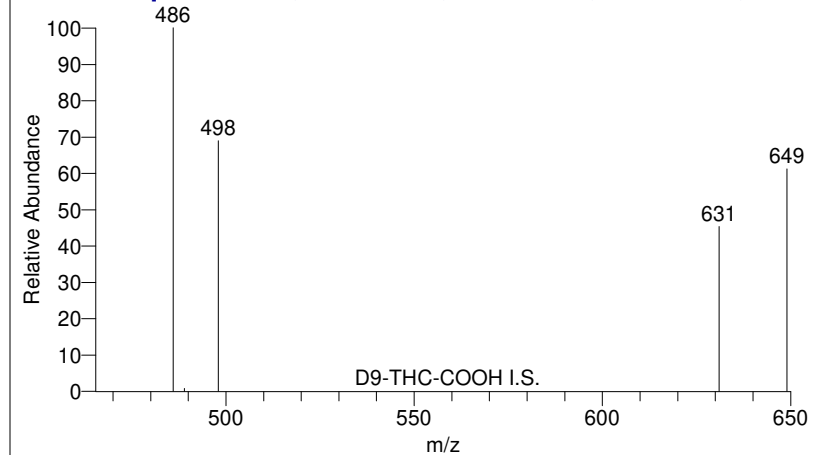


#### THC-COOH

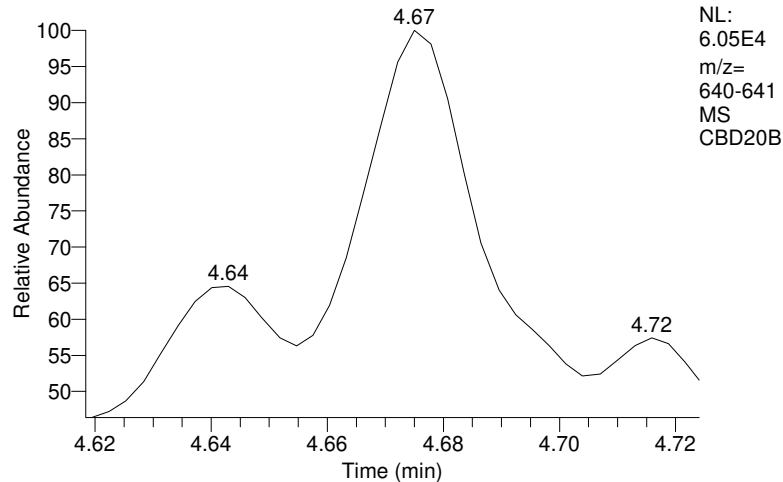
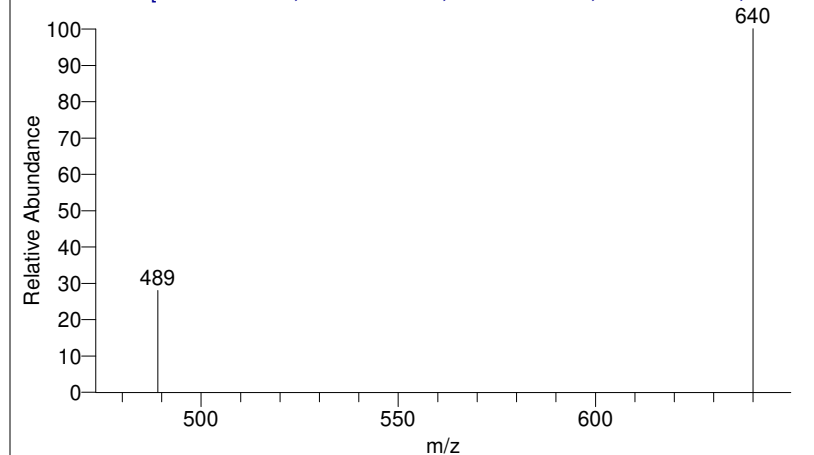


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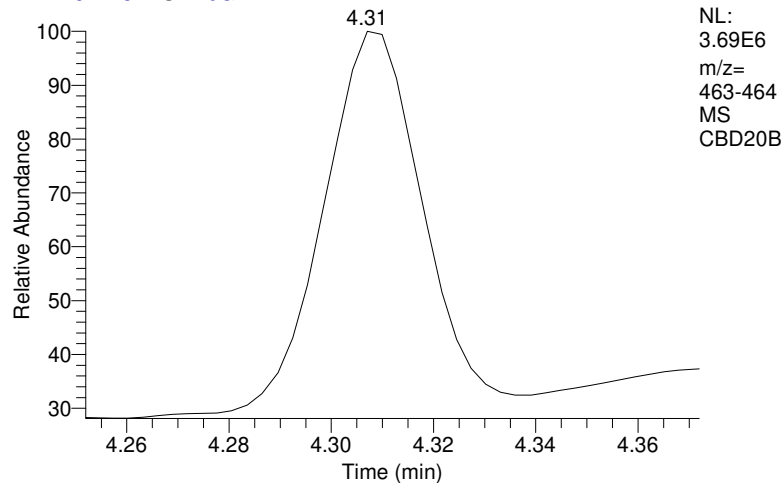
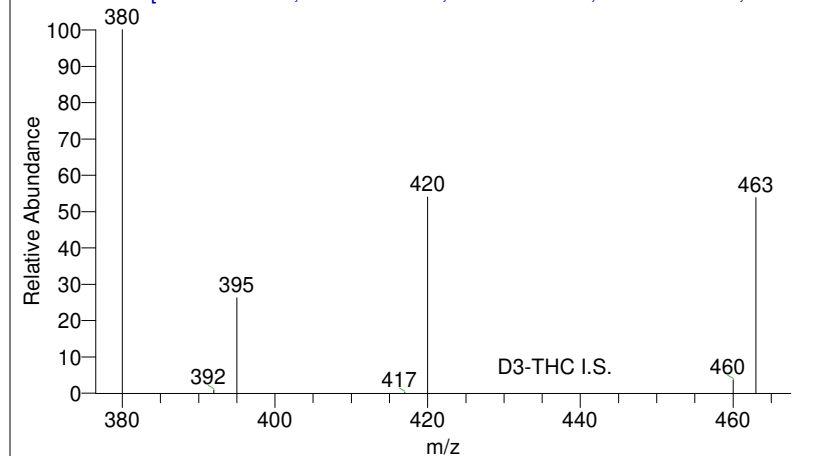
RT: 4.59 - 4.71 SM: 9G

CBD20B #561 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 7.04E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

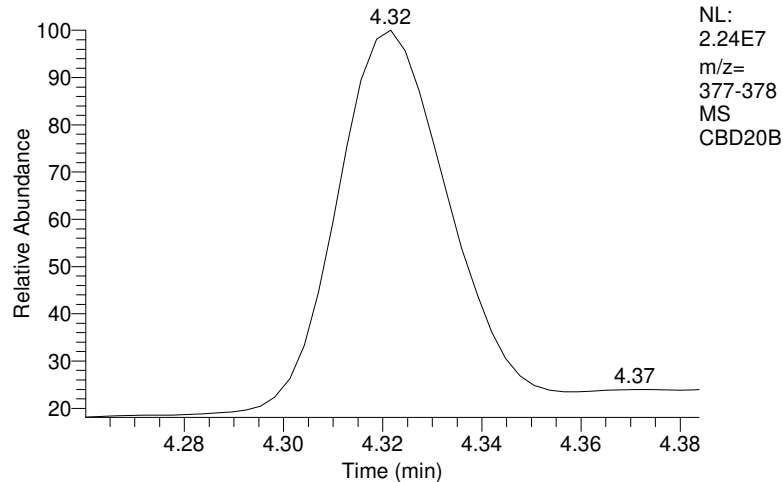
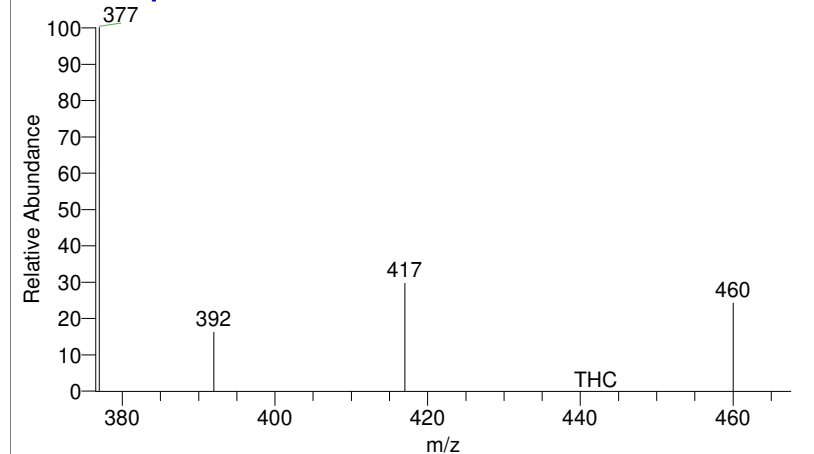
RT: 4.62 - 4.72 SM: 9G

CBD20B #577-578 RT: 4.68-4.69 AV: 2 SB: 2 4.65, 4.69 NL: 9.88E3  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

CBD20B #447 RT: 4.30 AV: 1 SB: 2 4.29, 4.33 NL: 3.25E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

CBD20B #455 RT: 4.32 AV: 1 SB: 2 4.30, 4.34 NL: 1.63E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

# Michigan State Police Toxicology Unit

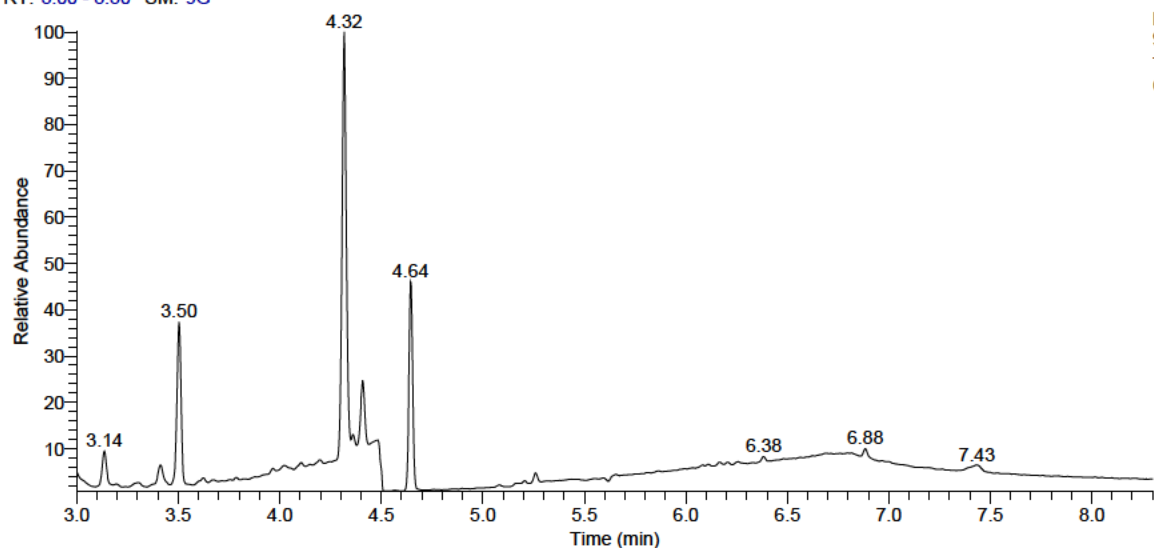
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD40B

**File Name:** CBD40B  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 01:01:59 PM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:18

RT: 3.00 - 8.30 SM: 9G



NL:  
9.85E7  
TIC MS  
CBD40B

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Calculated Amount |
|----------------|------|-------------------|-----------------|----------|-------------------|
| THC            | 4.32 | Target compound   | Yes             | 59239489 | 67.85             |
| THC-COOH       | N/A  | Target compound   | No              | N/A      | N/A               |
| THC-COOH-D9    | 4.64 | Internal Standard | Yes             | 9075271  | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3642643  | N/A               |

Amounts in ng/mL



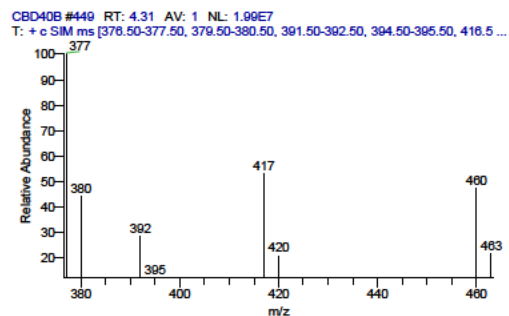
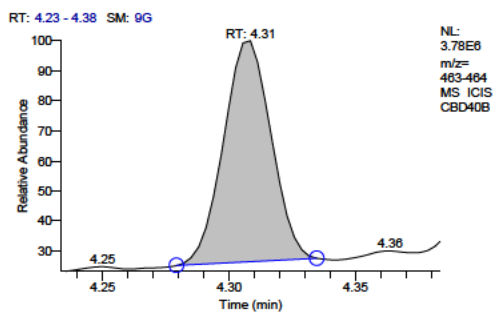
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

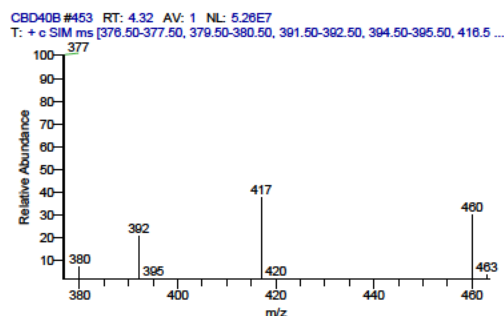
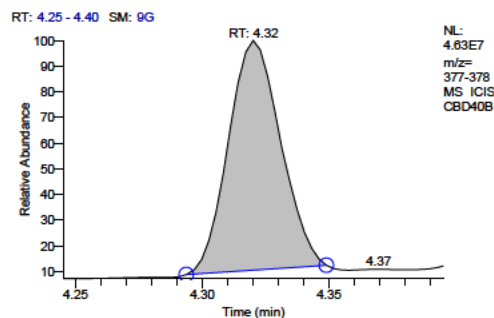
### LS-TX-GCMS6

Sample ID: CBD40B

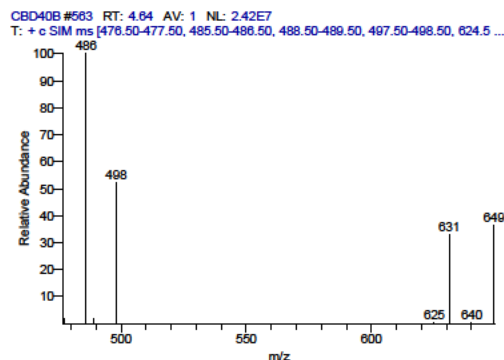
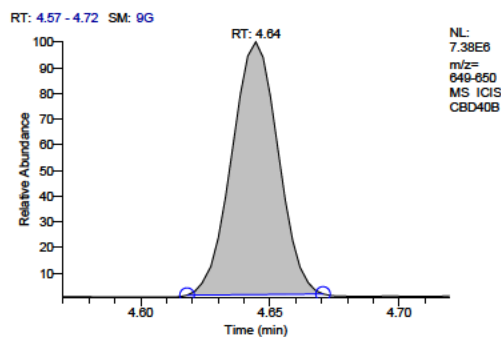
#### THC-D3



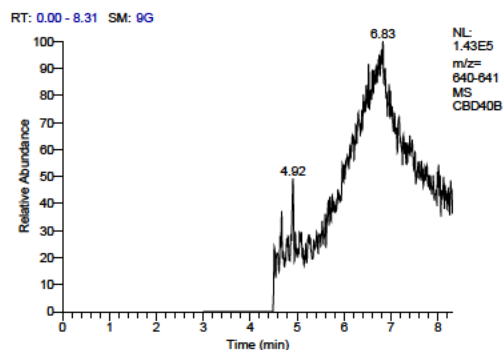
#### THC



#### THC-COOH-D9

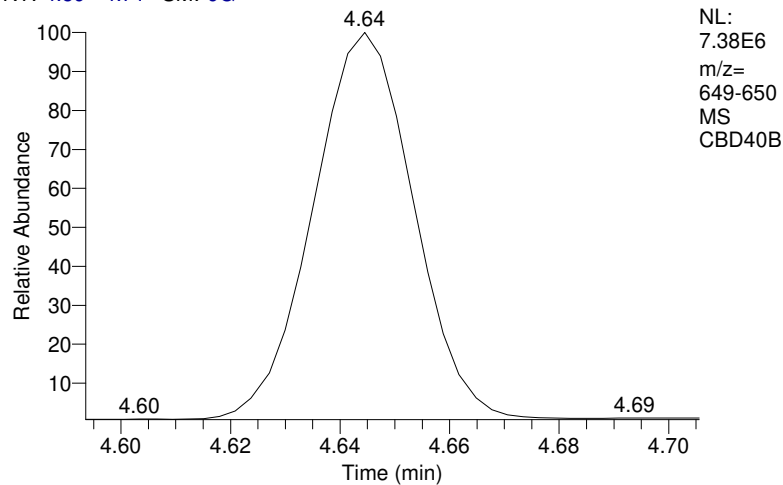
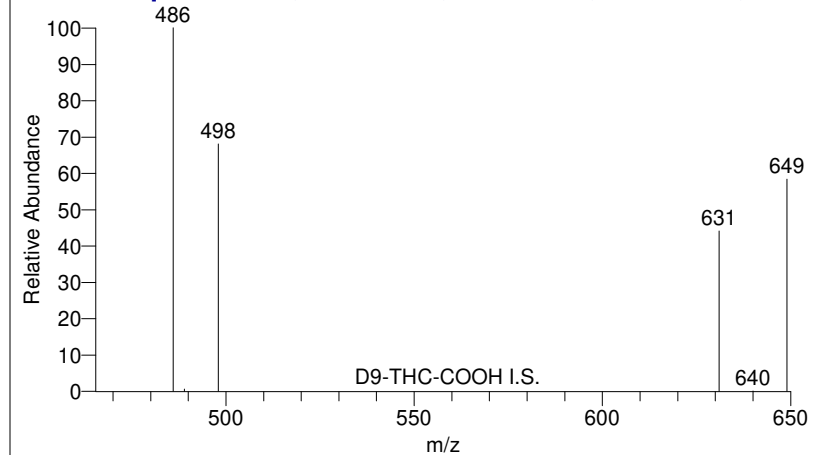


#### THC-COOH

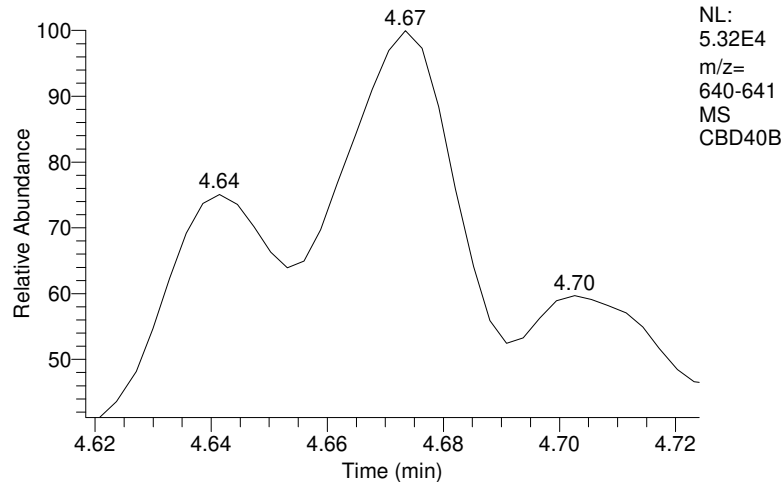
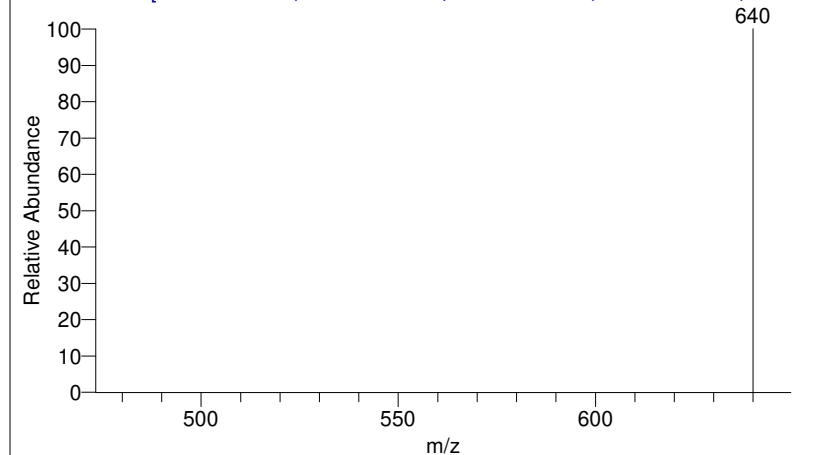


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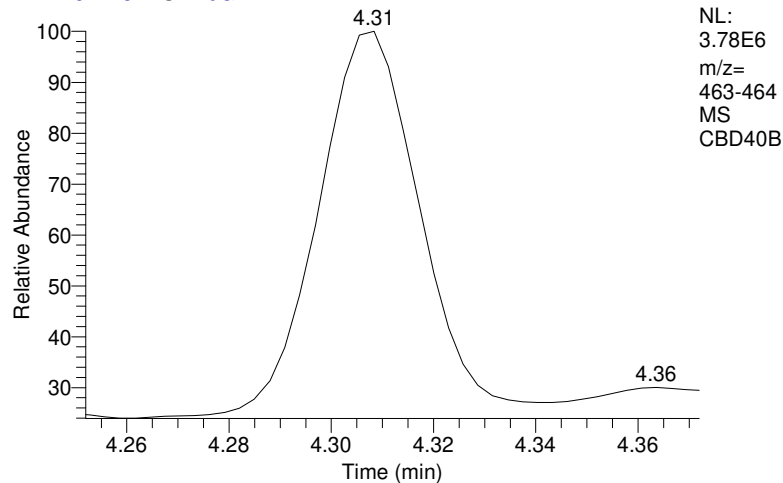
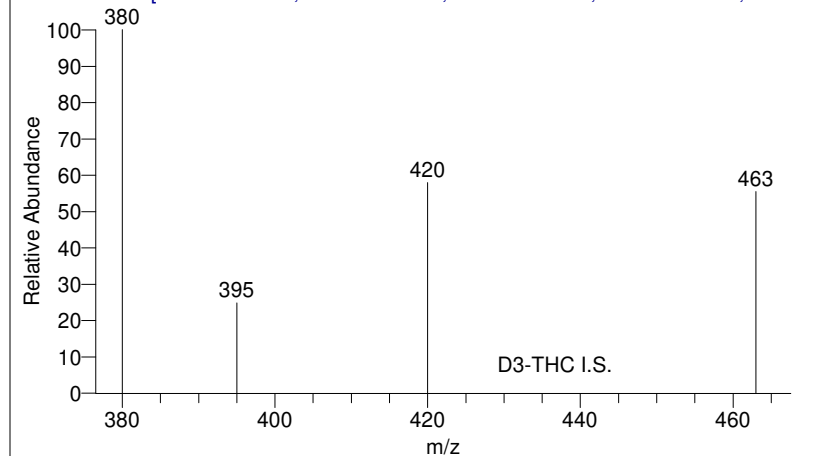
RT: 4.59 - 4.71 SM: 9G

CBD40B #560 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 6.15E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

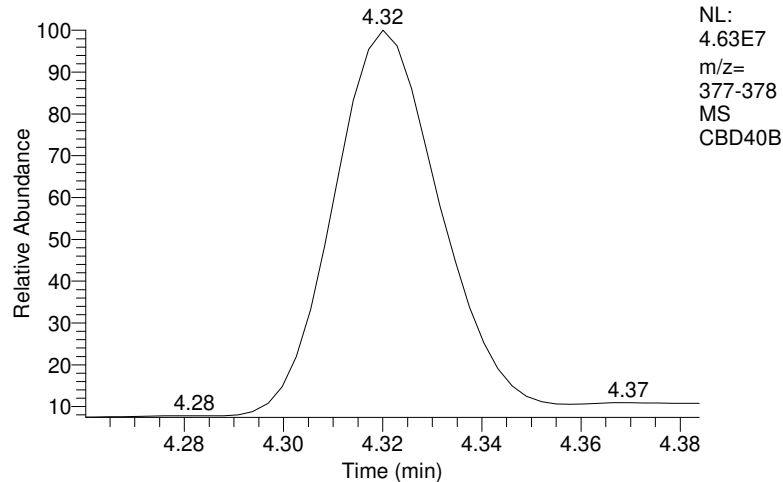
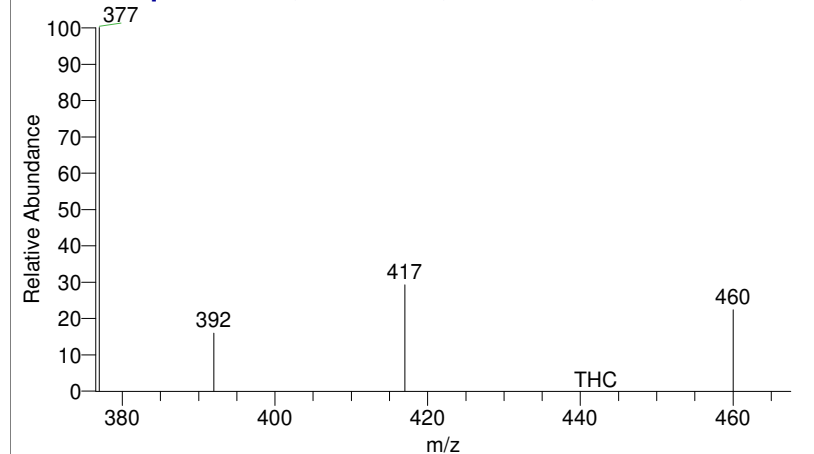
RT: 4.62 - 4.72 SM: 9G

CBD40B #577 RT: 4.69 AV: 1 SB: 2 4.65, 4.69 NL: 3.78E3  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

CBD40B #446 RT: 4.30 AV: 1 SB: 2 4.29, 4.33 NL: 3.03E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

CBD40B #454 RT: 4.32 AV: 1 SB: 2 4.31, 4.34 NL: 3.94E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

# Michigan State Police Toxicology Unit

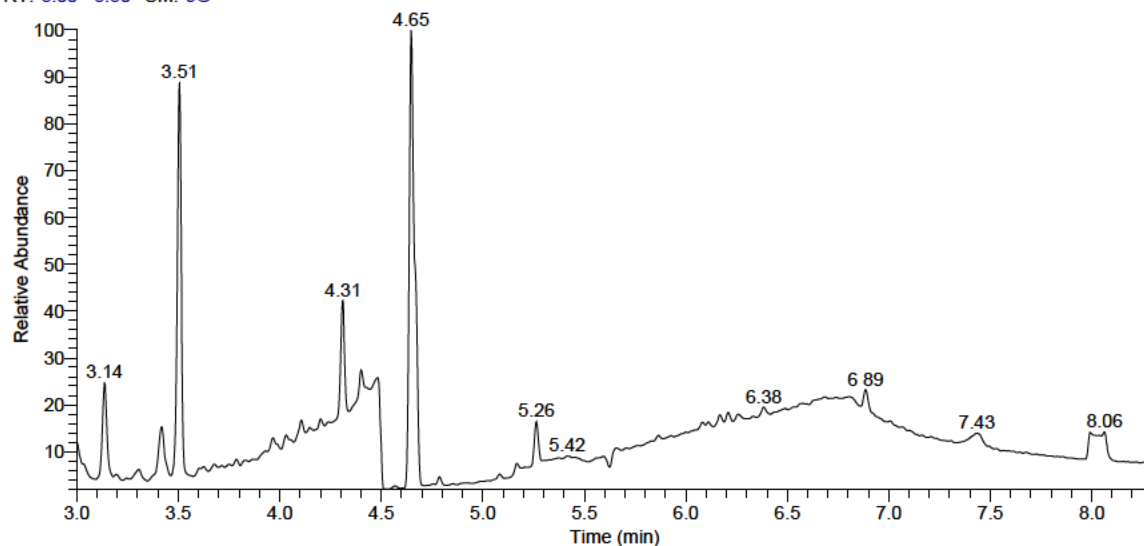
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD-COOH40B

**File Name:** CBD-COOH40B  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 01:14:57 PM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:21

RT: 3.00 - 8.30 SM: 9G



NL:  
4.57E7  
TIC MS  
CBD-  
COOH40B

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area    | Calculated Amount |
|----------------|------|-------------------|-----------------|---------|-------------------|
| THC            | N/A  | Target compound   | No              | N/A     | N/A               |
| THC-COOH       | 4.67 | Target compound   | Yes             | 4484060 | 48.40             |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 9132549 | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 2645899 | N/A               |

Amounts in ng/mL

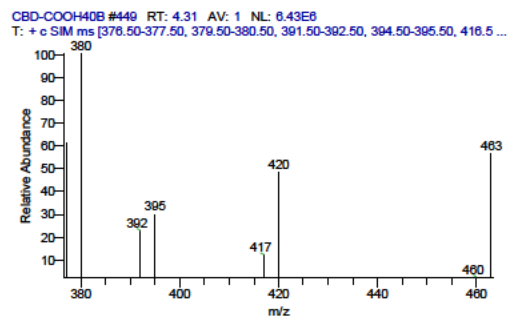
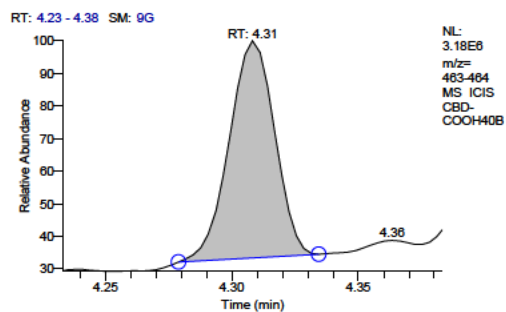
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

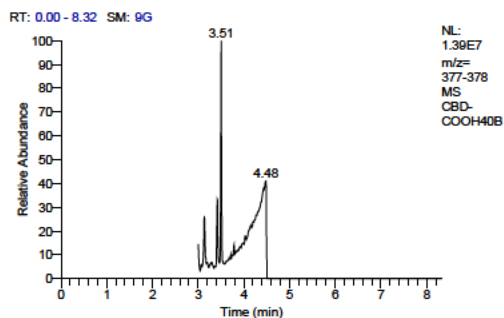
### LS-TX-GCMS6

Sample ID: CBD-COOH40B

#### THC-D3

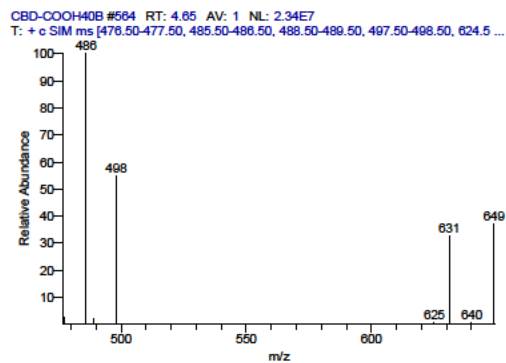
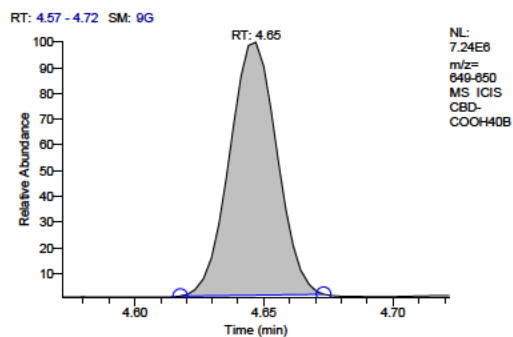


#### THC

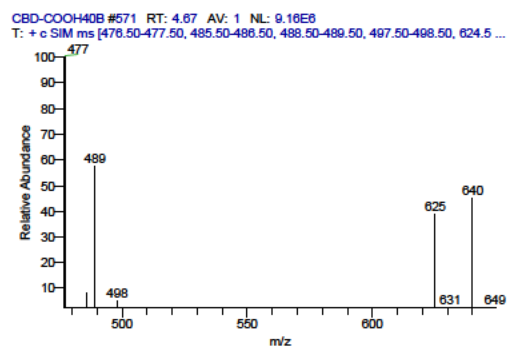
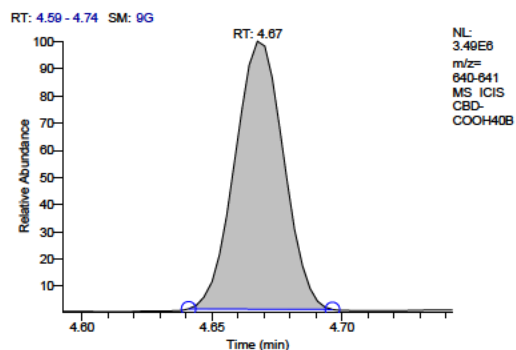


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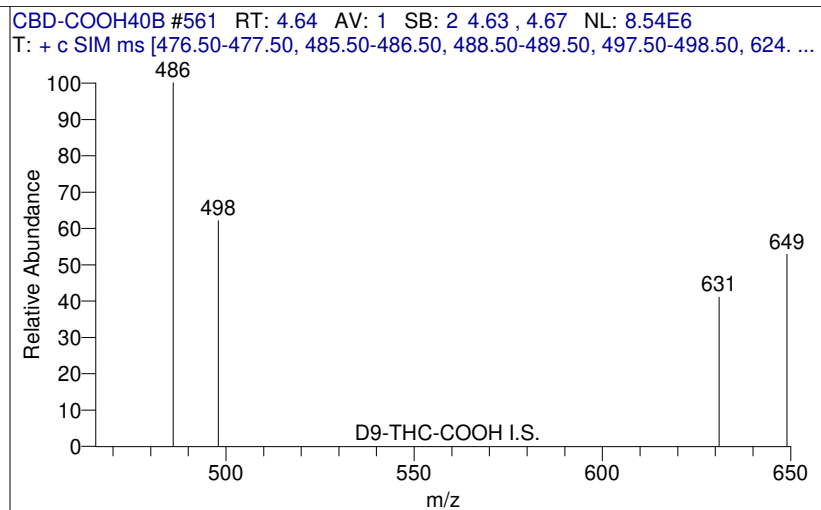
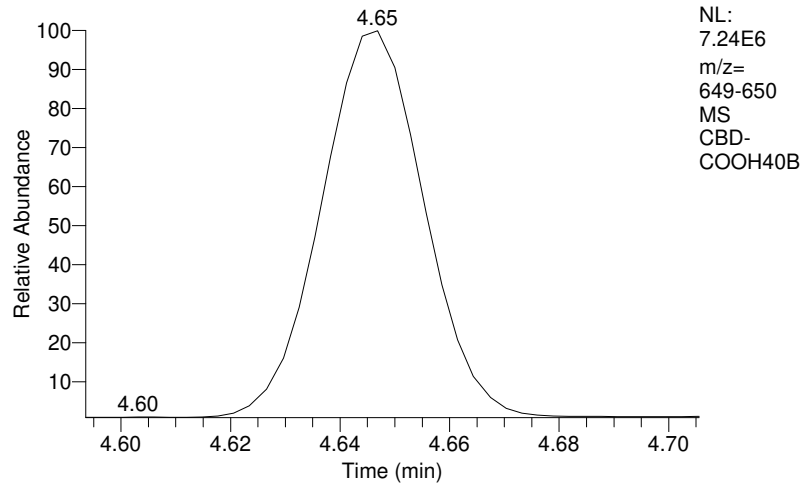
#### THC-COOH-D9



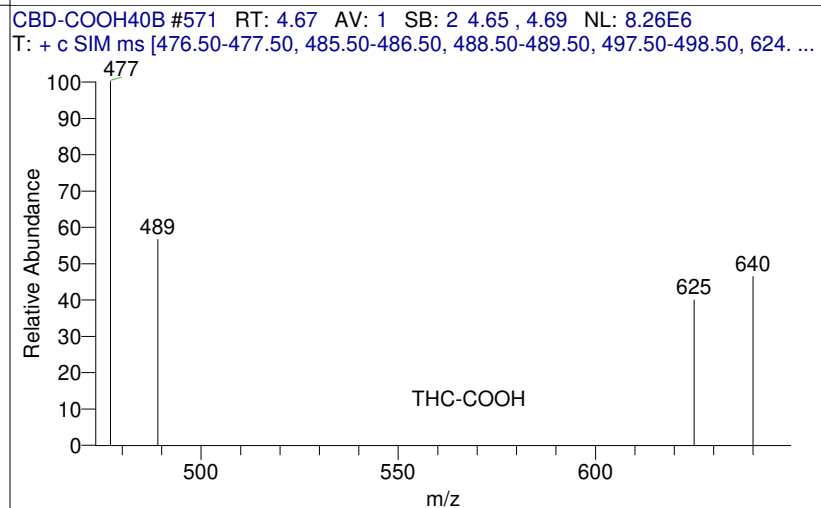
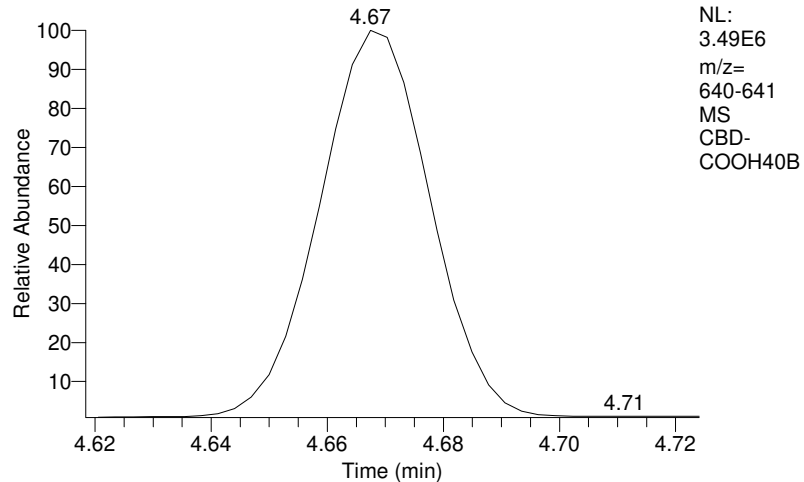
#### THC-COOH



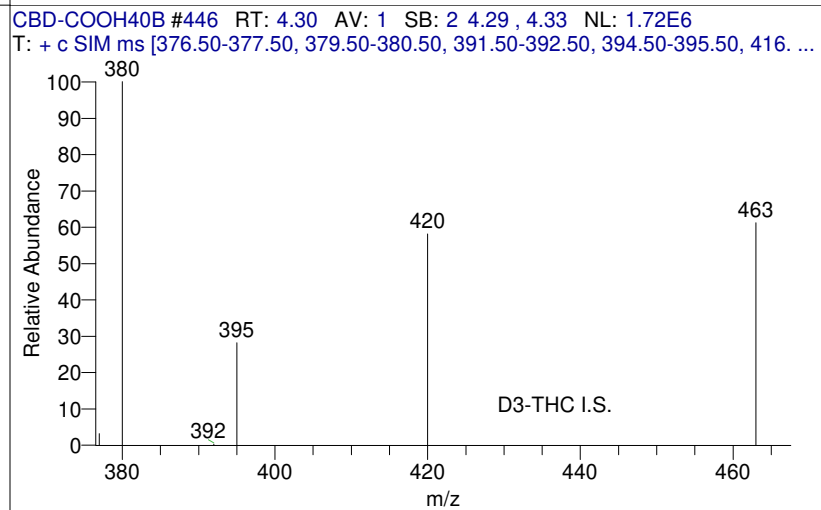
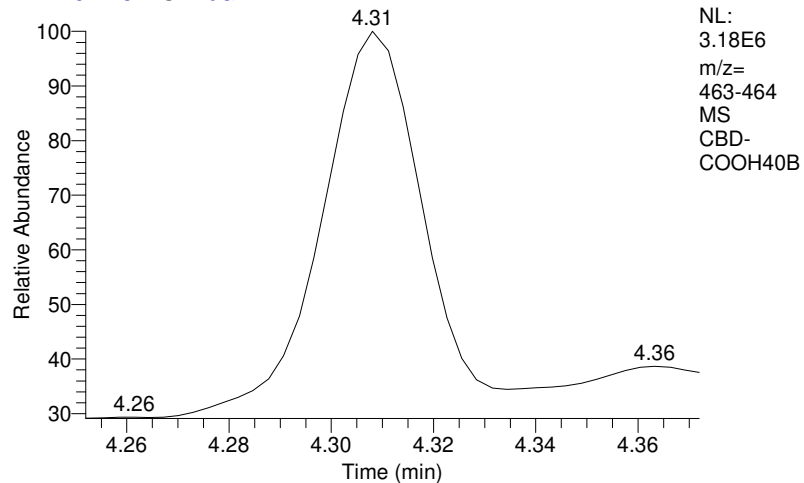
RT: 4.59 - 4.71 SM: 9G



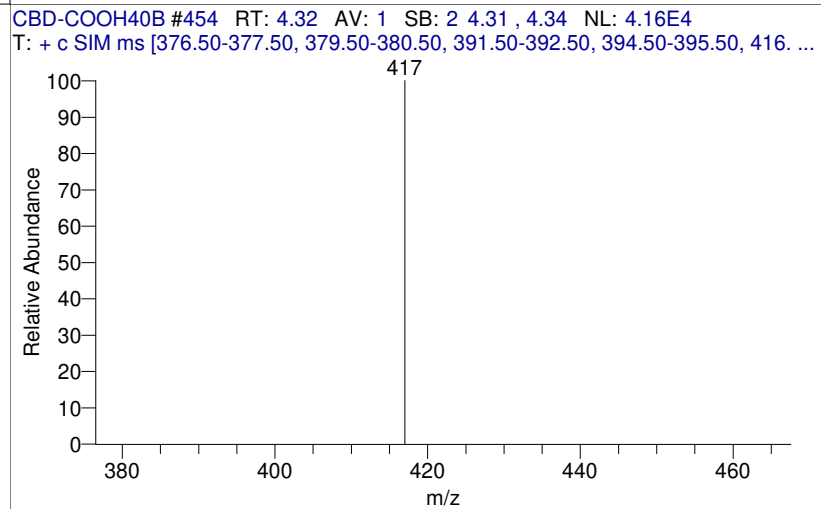
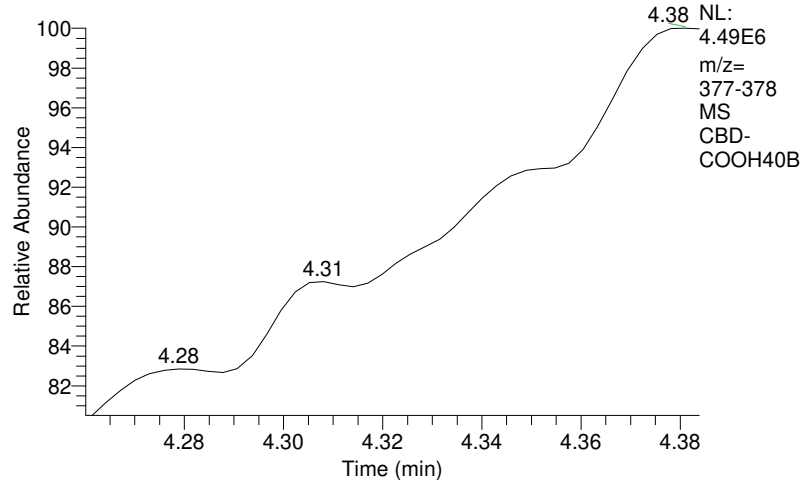
RT: 4.62 - 4.72 SM: 9G



RT: 4.25 - 4.37 SM: 9G



RT: 4.26 - 4.38 SM: 9G



# Michigan State Police Toxicology Unit

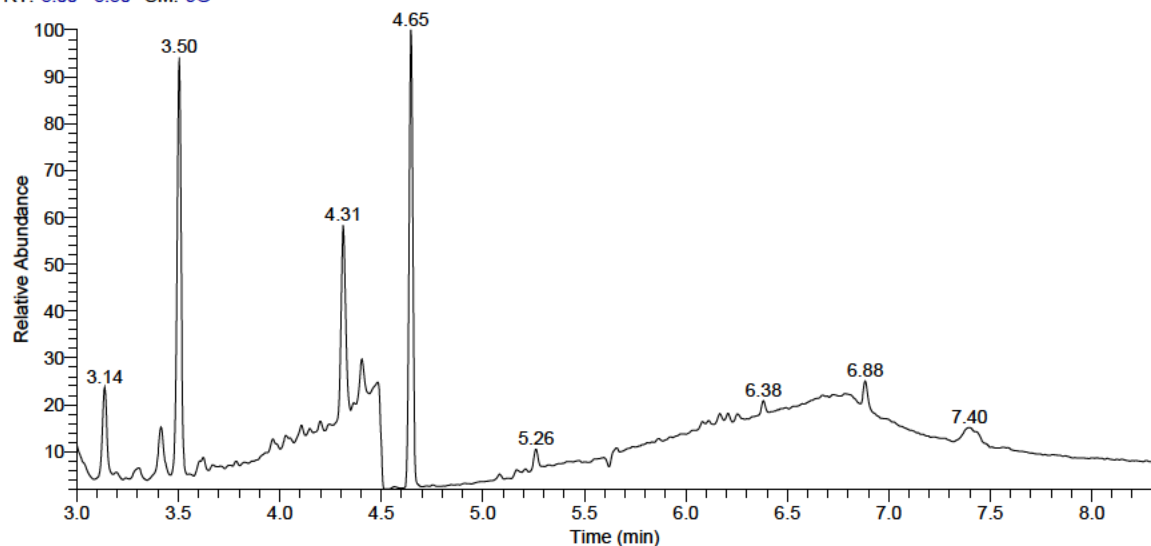
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD5C

**File Name:** CBD5C  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 01:27:33 PM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:13

RT: 3.00 - 8.30 SM: 9G



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area    | Calculated Amount |
|----------------|------|-------------------|-----------------|---------|-------------------|
| THC            | 4.32 | Target compound   | Yes             | 6775797 | 10.10             |
| THC-COOH       | N/A  | Target compound   | No              | N/A     | N/A               |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 8489075 | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 2739378 | N/A               |

Amounts in ng/mL

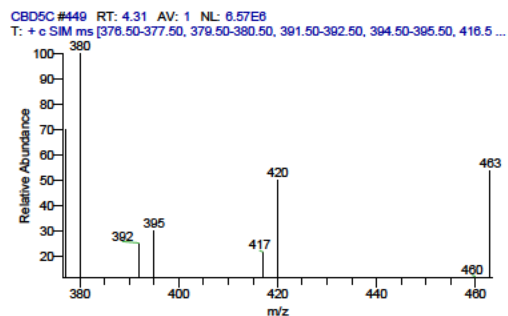
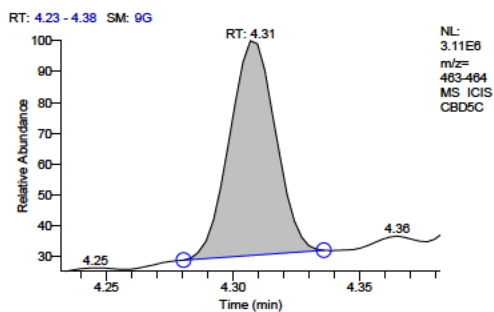
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

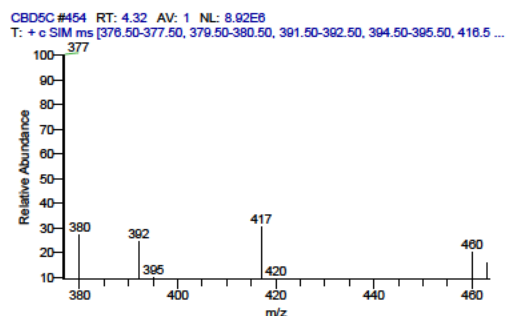
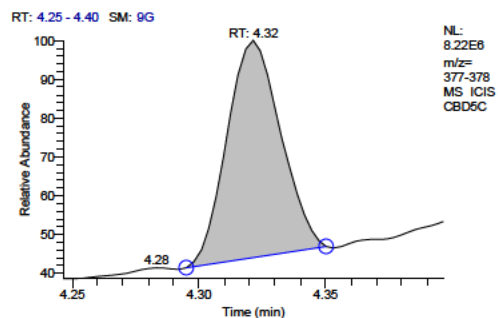
### LS-TX-GCMS6

Sample ID: CBD5C

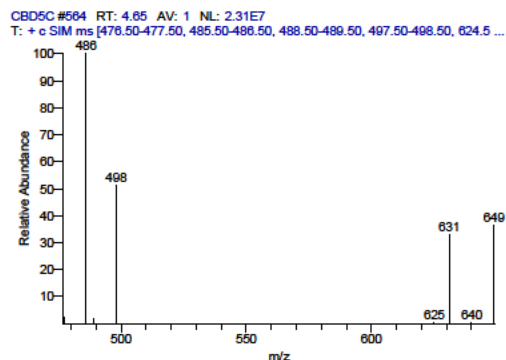
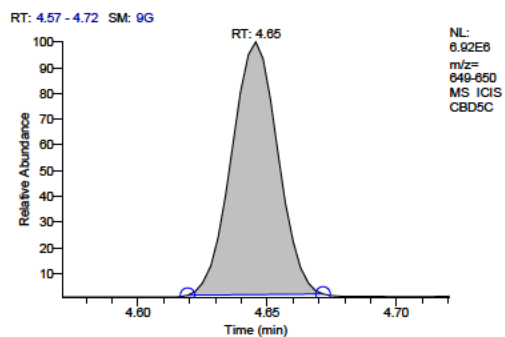
#### THC-D3



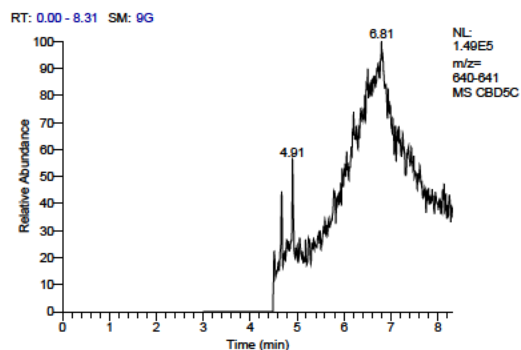
#### THC



#### THC-COOH-D9

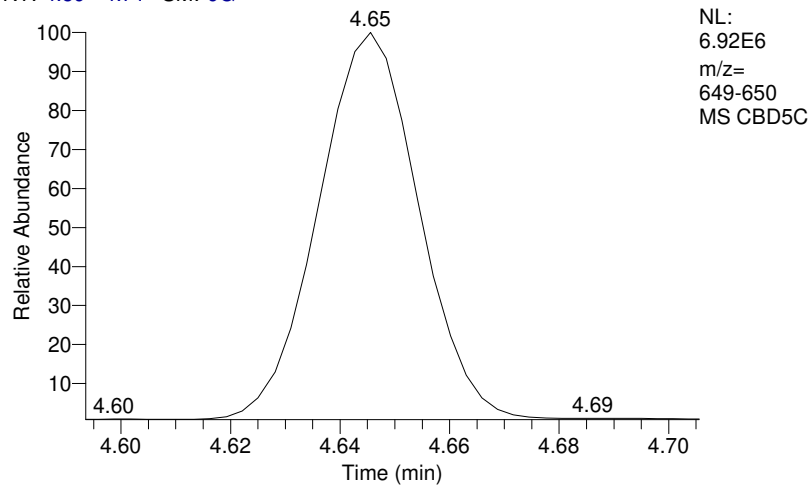
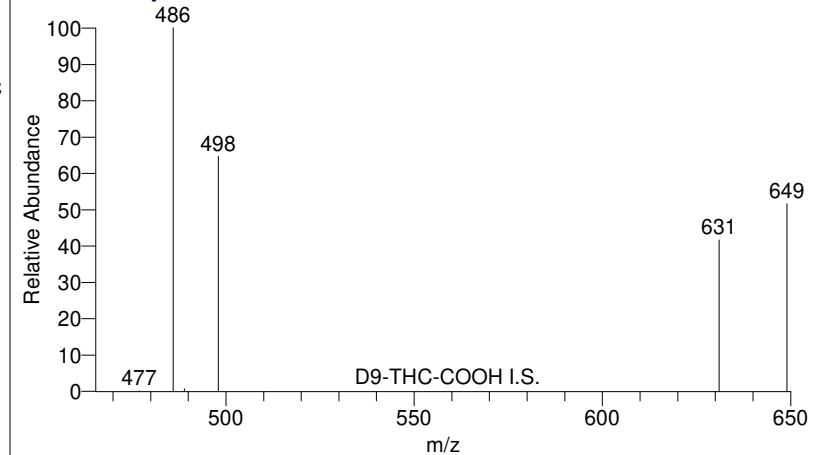


#### THC-COOH

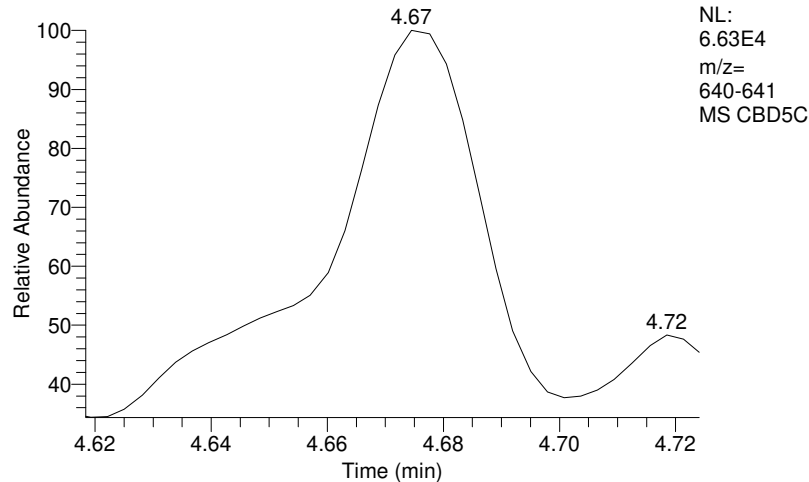
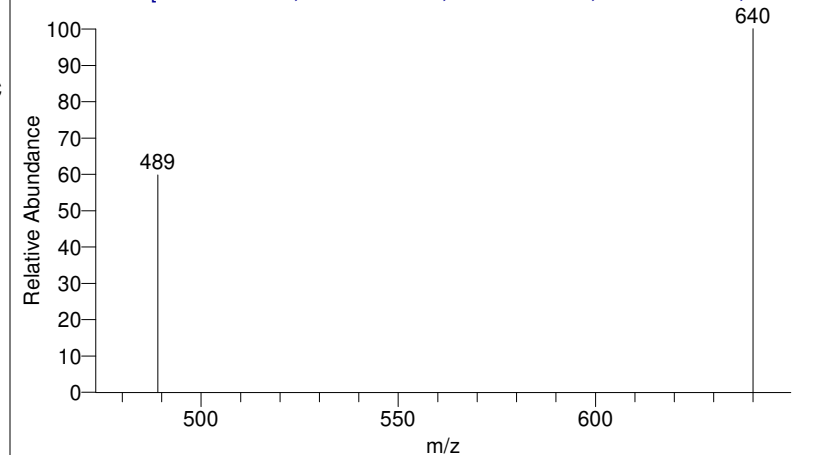


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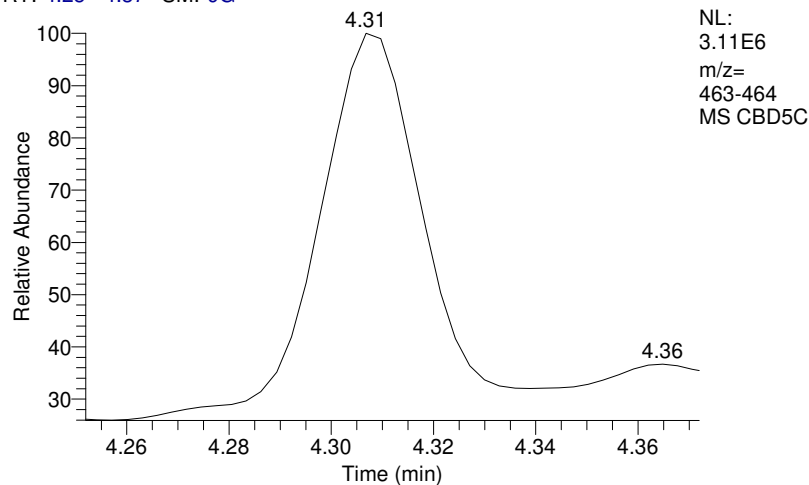
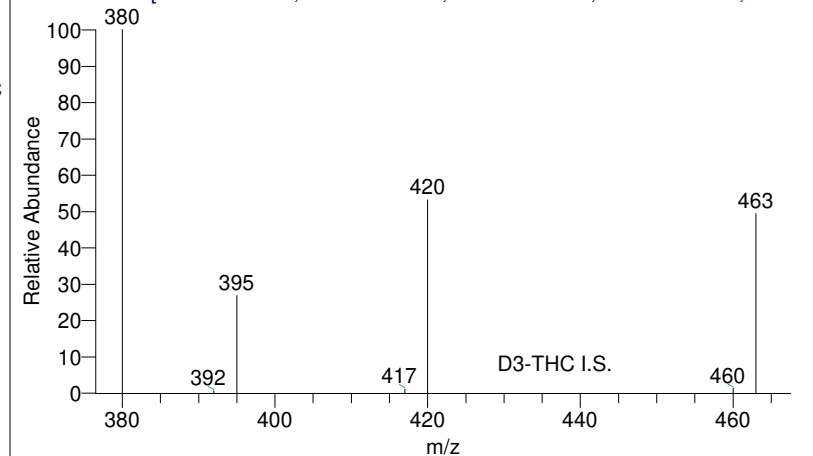
RT: 4.59 - 4.71 SM: 9G

CBD5C #561 RT: 4.64 AV: 1 SB: 2 4.63 , 4.67 NL: 6.50E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

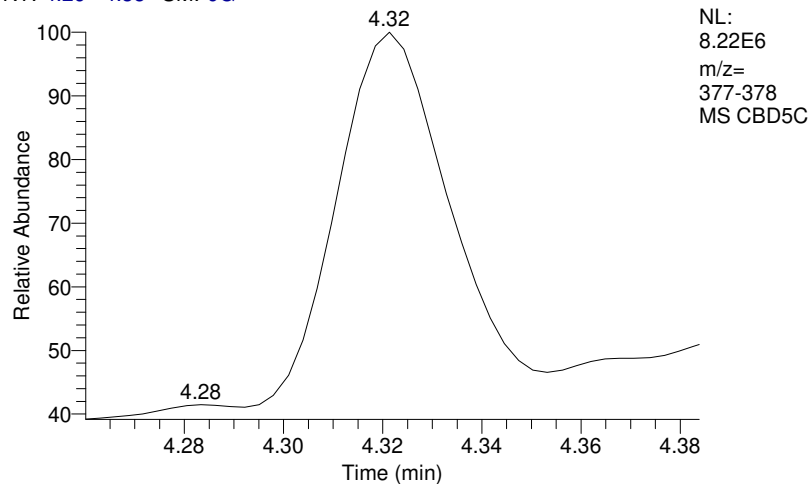
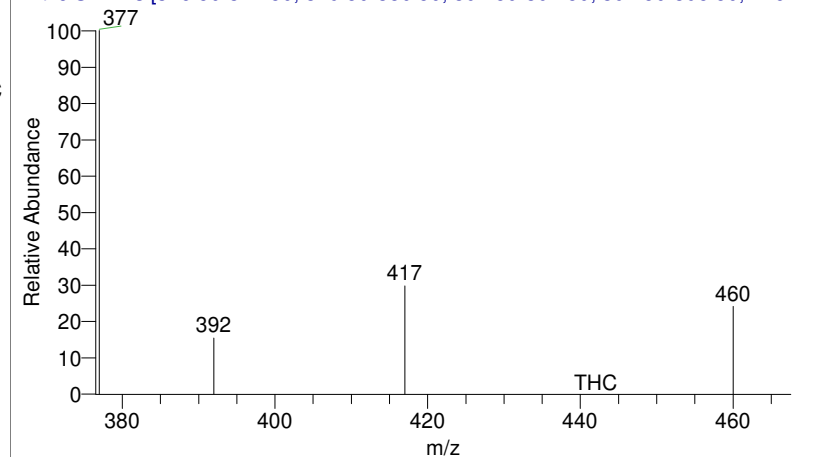
RT: 4.62 - 4.72 SM: 9G

CBD5C #577 RT: 4.68 AV: 1 SB: 2 4.65 , 4.69 NL: 2.85E4  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

CBD5C #447 RT: 4.30 AV: 1 SB: 2 4.30 , 4.33 NL: 2.73E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

CBD5C #455 RT: 4.32 AV: 1 SB: 2 4.30 , 4.34 NL: 4.44E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...



# Michigan State Police Toxicology Unit

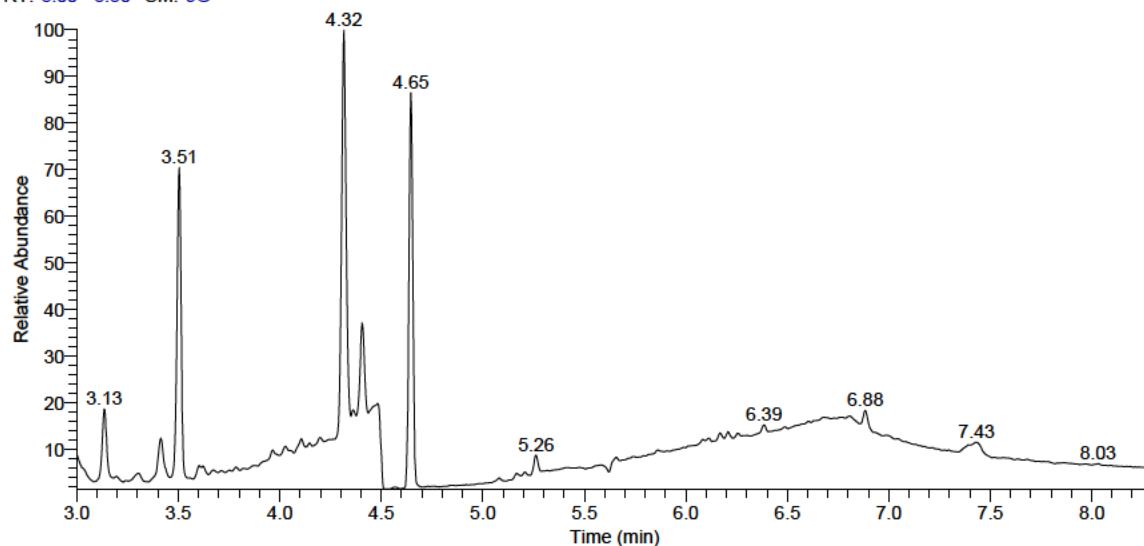
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD20C

**File Name:** CBD20C  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 01:40:12 PM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:16

RT: 3.00 - 8.30 SM: 9G



NL:  
5.23E7  
TIC MS  
CBD20C

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Calculated Amount |
|----------------|------|-------------------|-----------------|----------|-------------------|
| THC            | 4.32 | Target compound   | Yes             | 27709601 | 36.08             |
| THC-COOH       | N/A  | Target compound   | No              | N/A      | N/A               |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 9238509  | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3192813  | N/A               |

Amounts in ng/mL

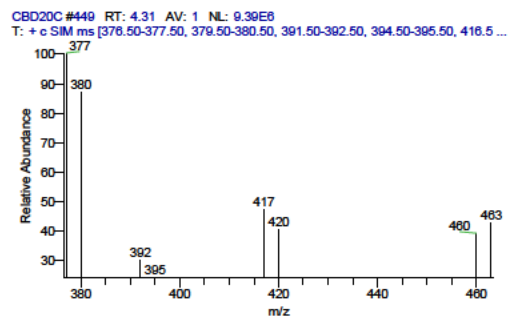
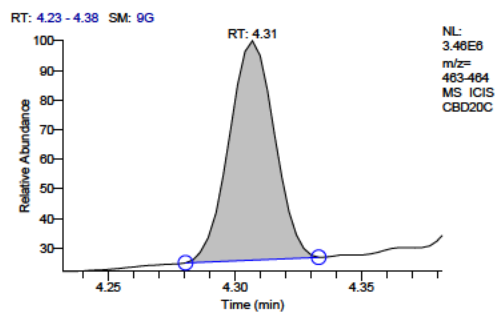
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

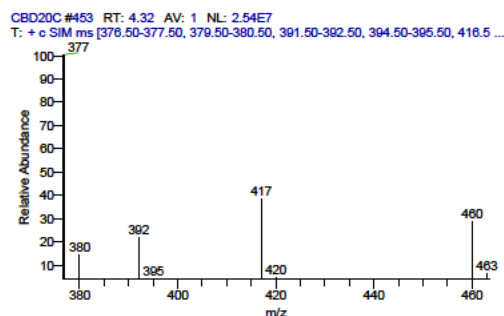
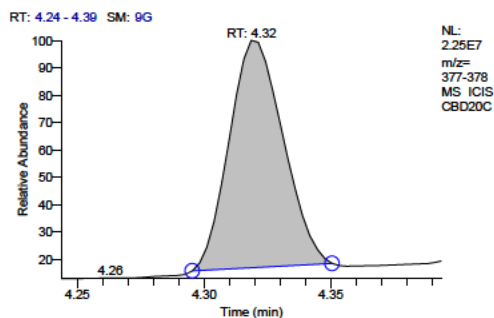
### LS-TX-GCMS6

Sample ID: CBD20C

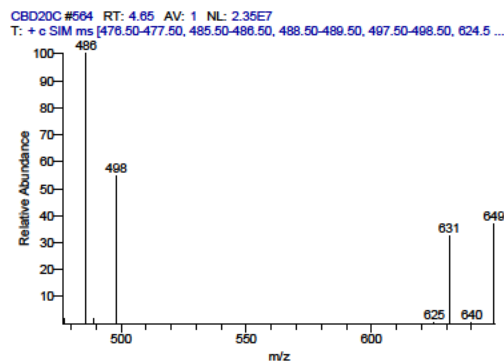
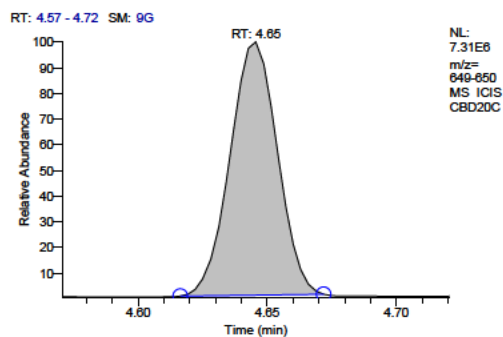
#### THC-D3



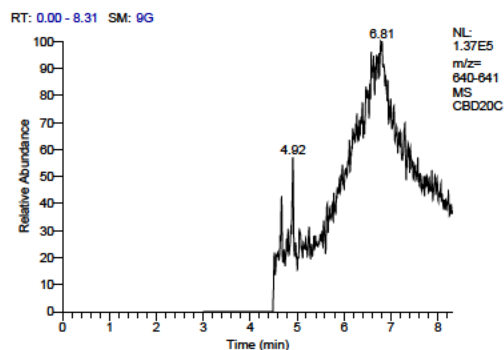
#### THC



#### THC-COOH-D9

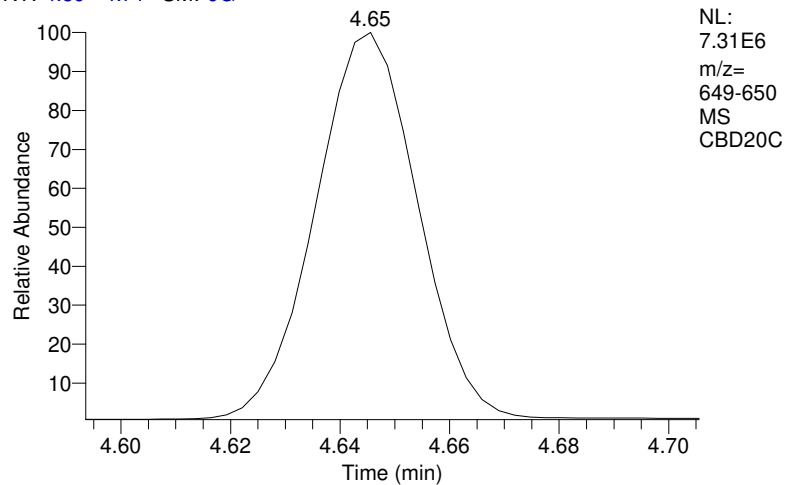
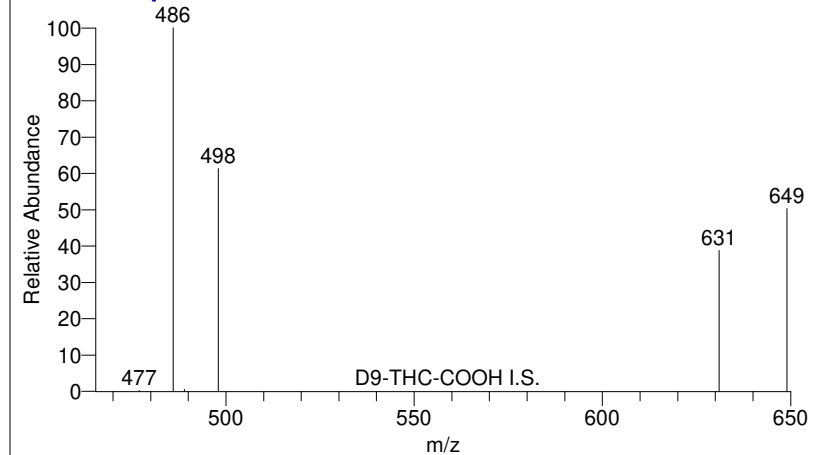


#### THC-COOH

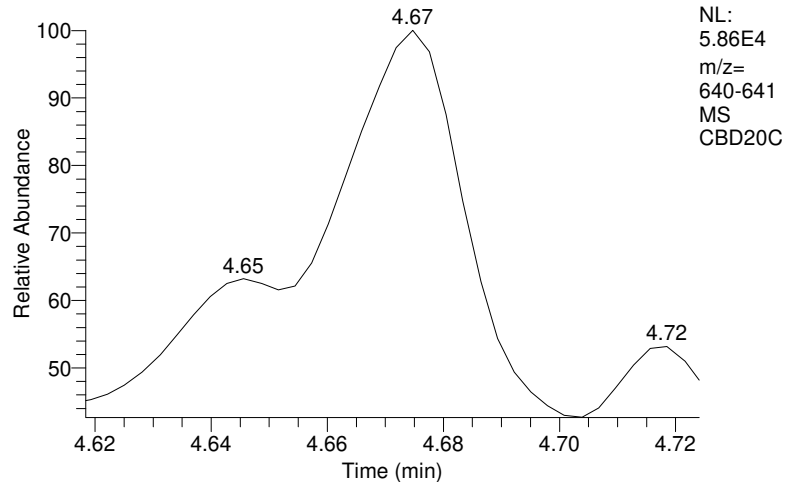
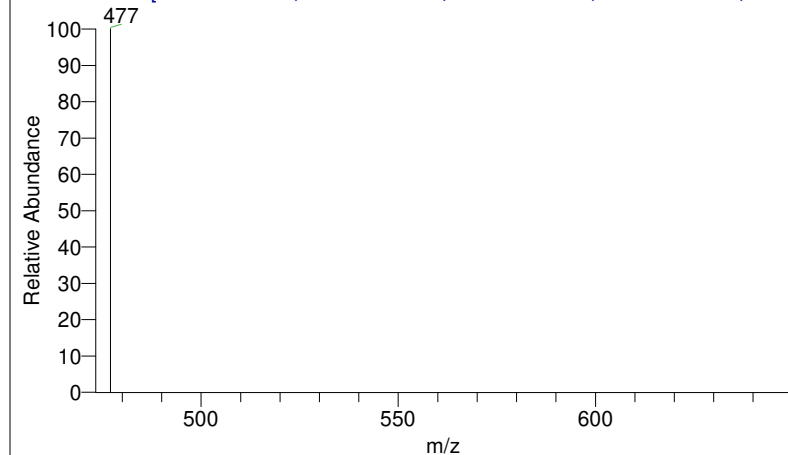


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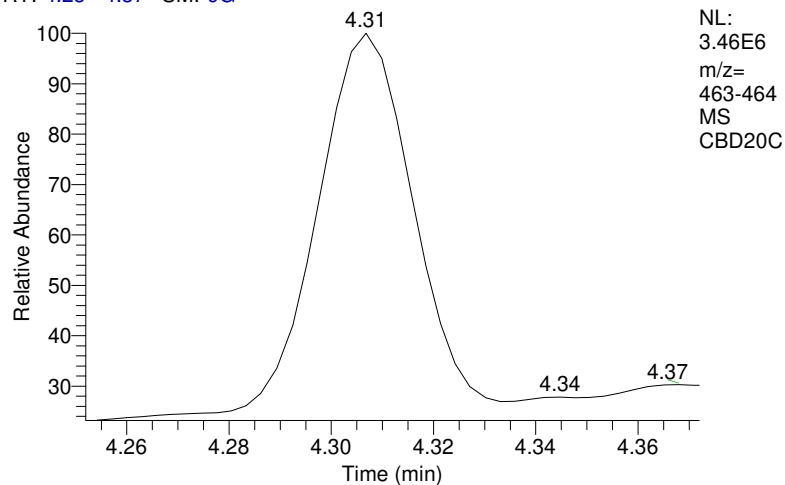
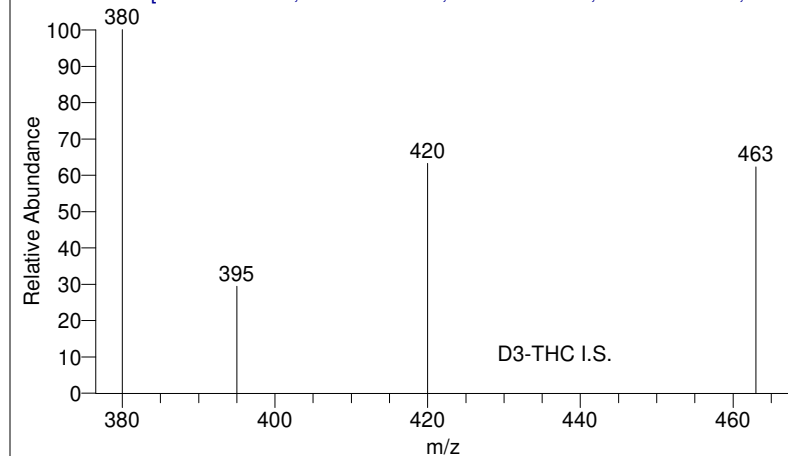
RT: 4.59 - 4.71 SM: 9G

CBD20C #561 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 8.08E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

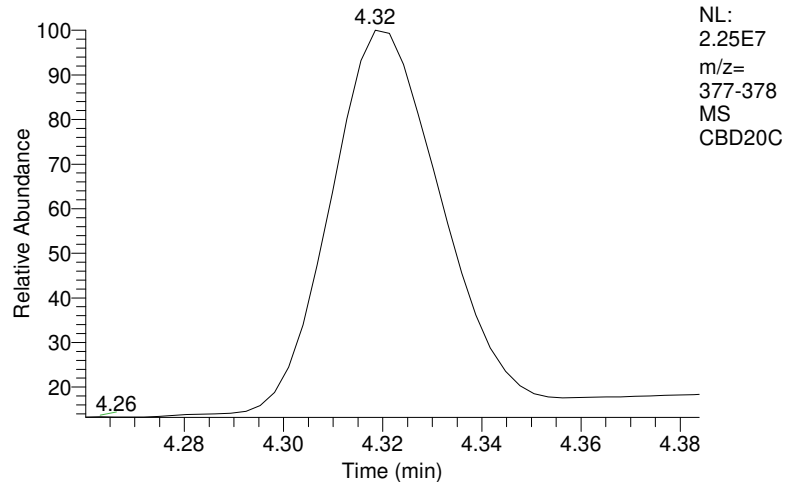
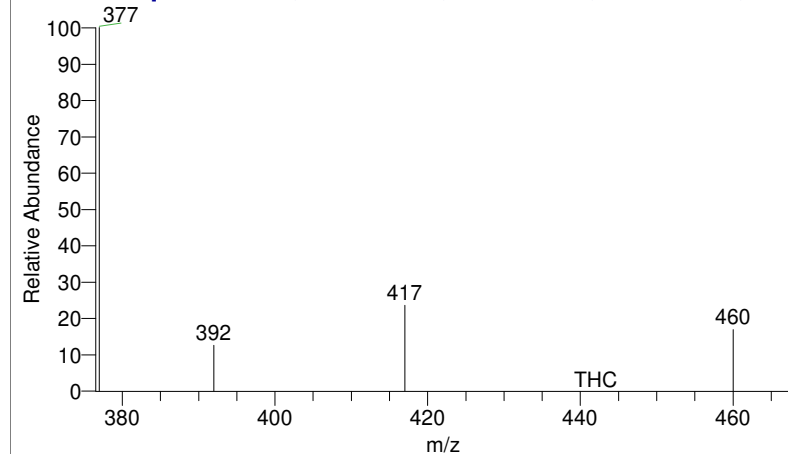
RT: 4.62 - 4.72 SM: 9G

CBD20C #578 RT: 4.69 AV: 1 SB: 2 4.65, 4.69 NL: 2.01E4  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

CBD20C #446 RT: 4.30 AV: 1 SB: 2 4.30, 4.33 NL: 1.79E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

CBD20C #455 RT: 4.32 AV: 1 SB: 2 4.30, 4.34 NL: 1.63E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

# Michigan State Police Toxicology Unit

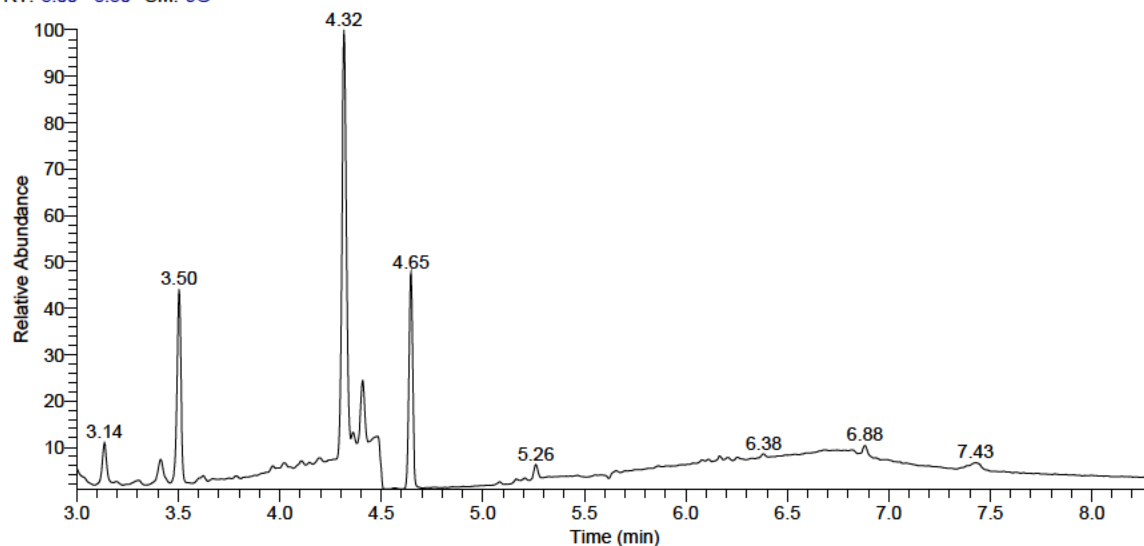
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD40C

**File Name:** CBD40C  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 01:52:48 PM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:19

RT: 3.00 - 8.30 SM: 9G



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Calculated Amount |
|----------------|------|-------------------|-----------------|----------|-------------------|
| THC            | 4.32 | Target compound   | Yes             | 52028779 | 70.15             |
| THC-COOH       | N/A  | Target compound   | No              | N/A      | N/A               |
| THC-COOH-D9    | 4.64 | Internal Standard | Yes             | 8020392  | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3094680  | N/A               |

Amounts in ng/mL

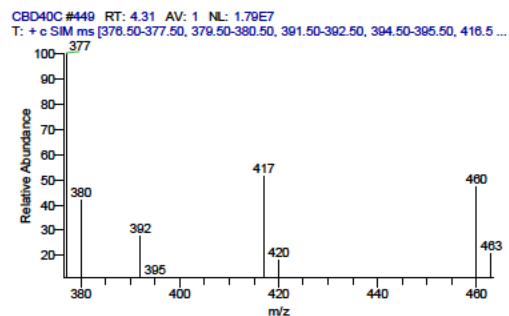
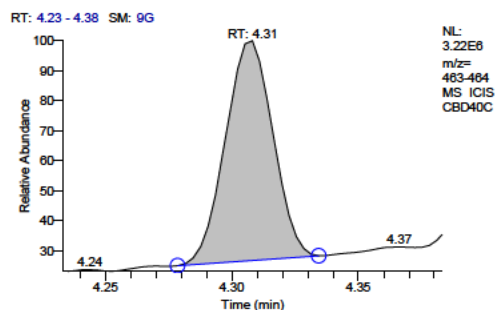
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

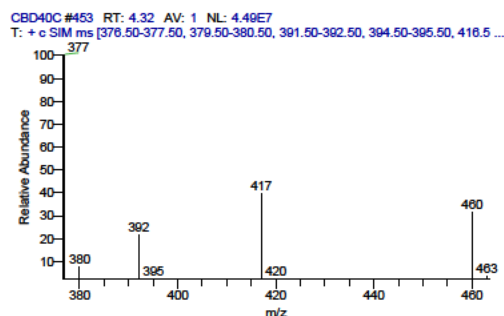
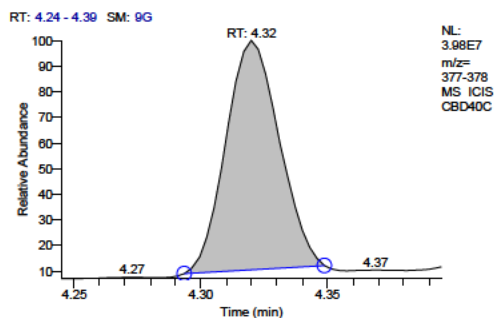
### LS-TX-GCMS6

Sample ID: CBD40C

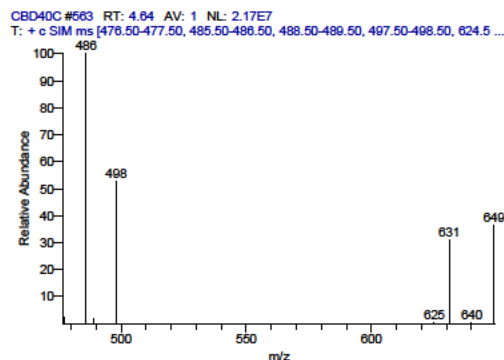
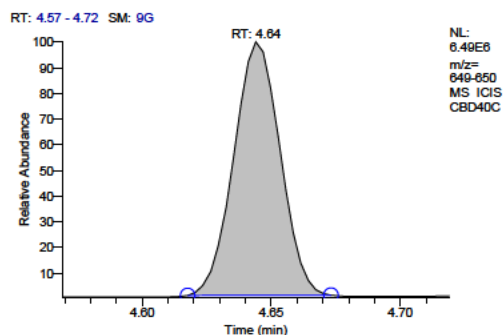
#### THC-D3



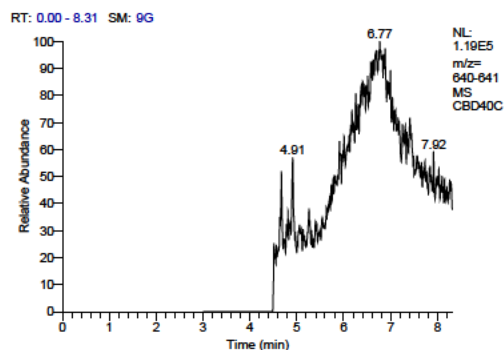
#### THC



#### THC-COOH-D9

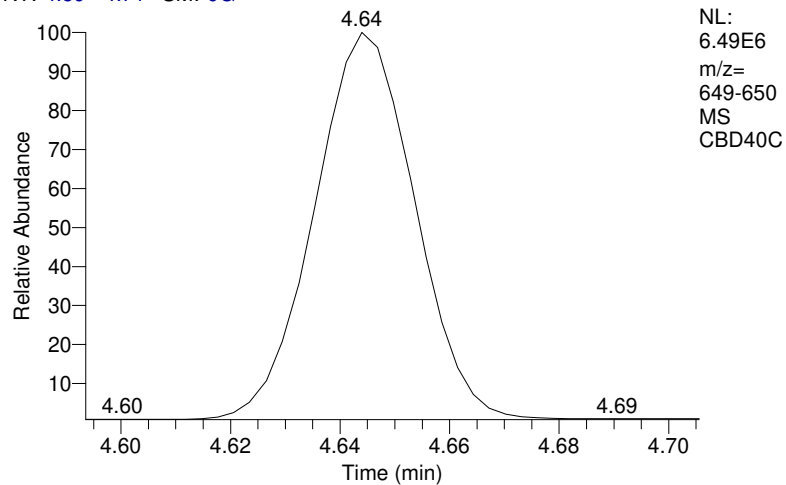
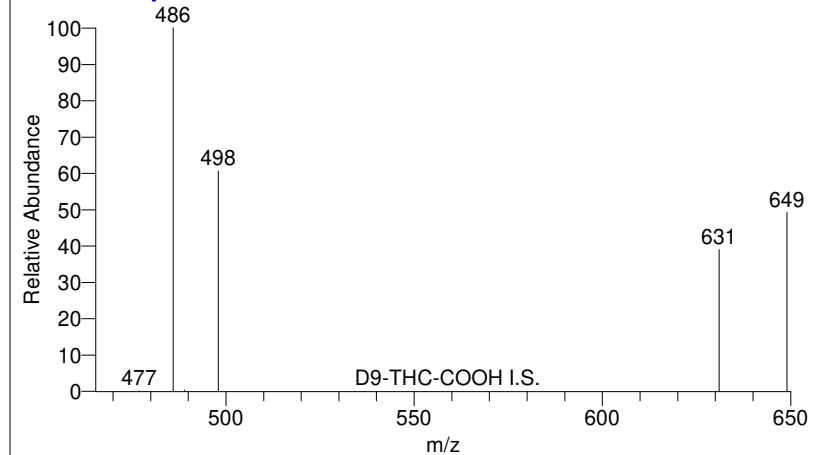


#### THC-COOH

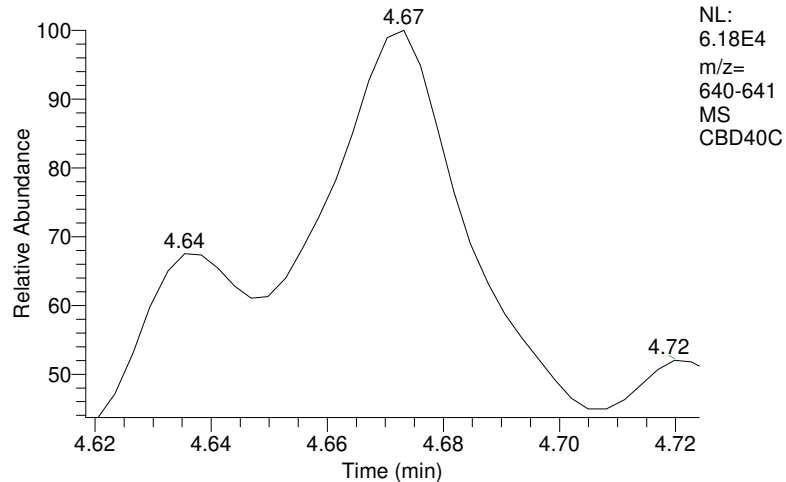
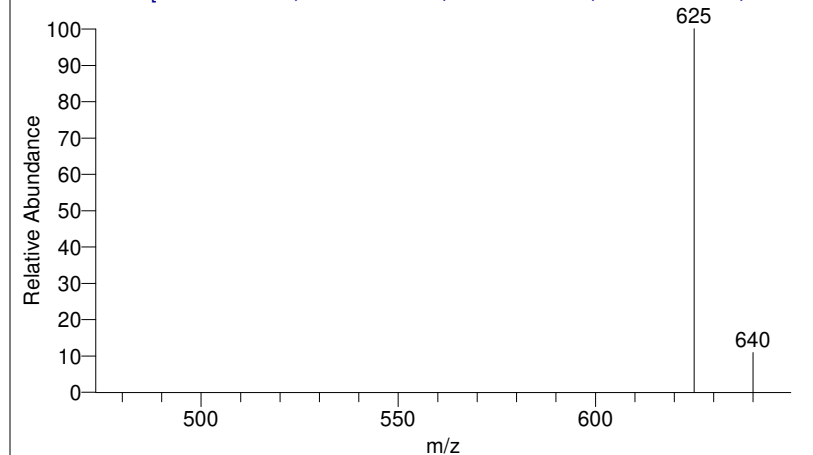


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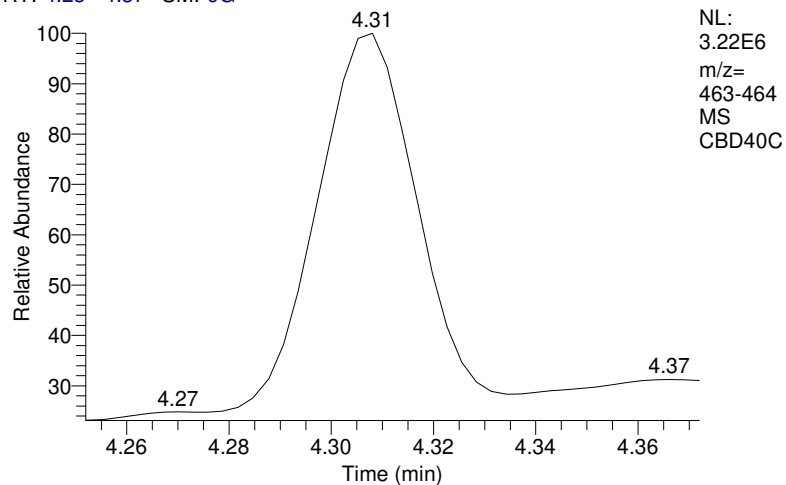
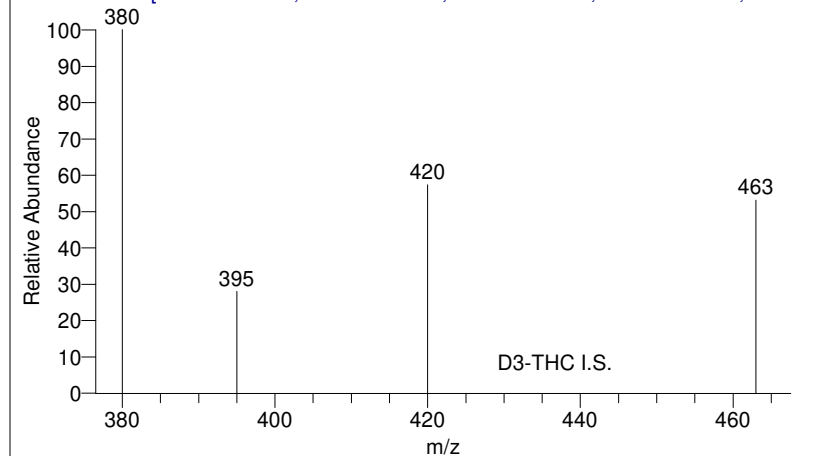
RT: 4.59 - 4.71 SM: 9G

CBD40C #561 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 9.83E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

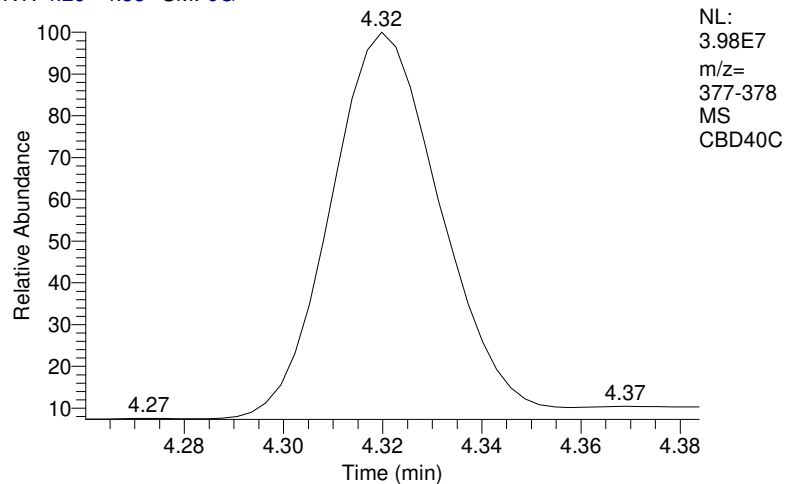
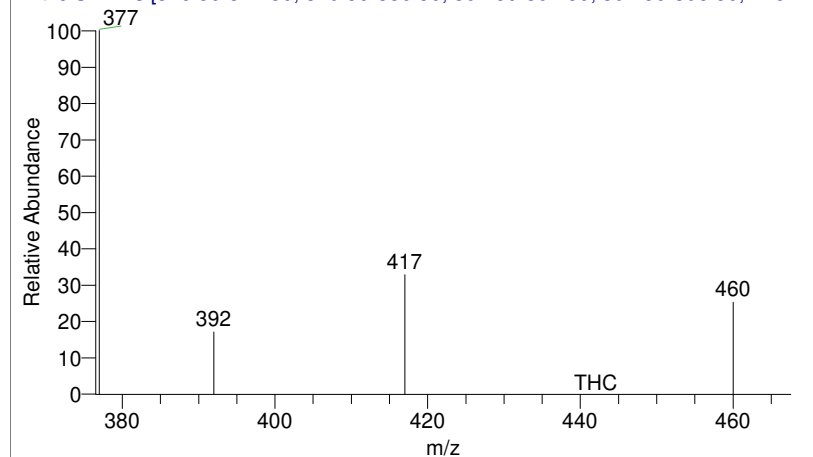
RT: 4.62 - 4.72 SM: 9G

CBD40C #570 RT: 4.66 AV: 1 SB: 2 4.65, 4.69 NL: 1.06E5  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

CBD40C #446 RT: 4.30 AV: 1 SB: 2 4.29, 4.33 NL: 2.71E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

CBD40C #454 RT: 4.32 AV: 1 SB: 2 4.31, 4.34 NL: 3.28E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

# Michigan State Police Toxicology Unit

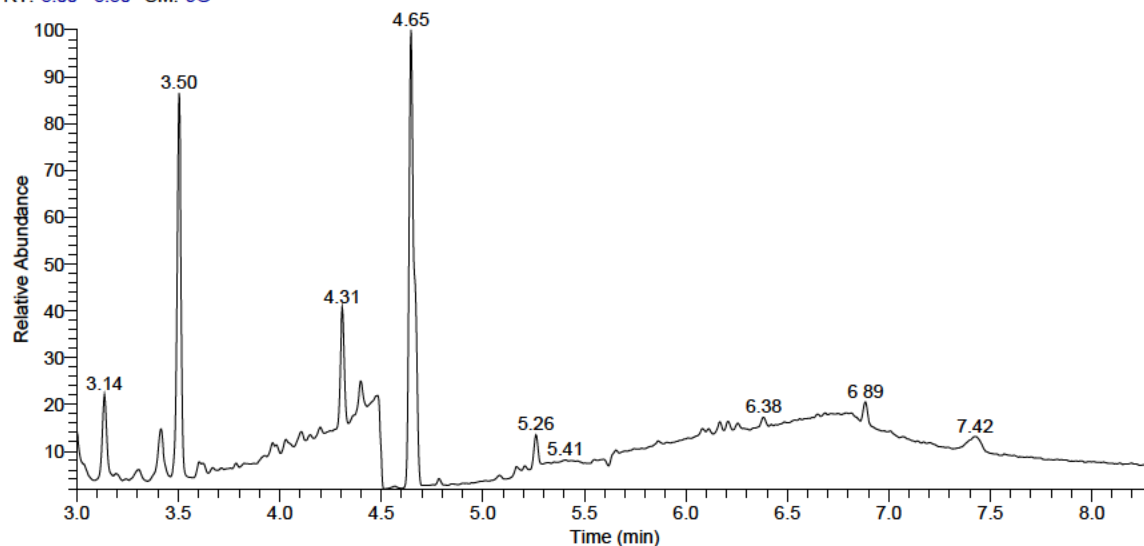
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD-COOH40C

**File Name:** CBD-COOH40C  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 02:05:24 PM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:22

RT: 3.00 - 8.30 SM: 9G



NL:  
4.14E7  
TIC MS  
CBD-  
COOH40C

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area    | Calculated Amount |
|----------------|------|-------------------|-----------------|---------|-------------------|
| THC            | N/A  | Target compound   | No              | N/A     | N/A               |
| THC-COOH       | 4.67 | Target compound   | Yes             | 3694920 | 45.92             |
| THC-COOH-D9    | 4.64 | Internal Standard | Yes             | 7923903 | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 2424638 | N/A               |

Amounts in ng/mL

# Michigan State Police Toxicology Unit

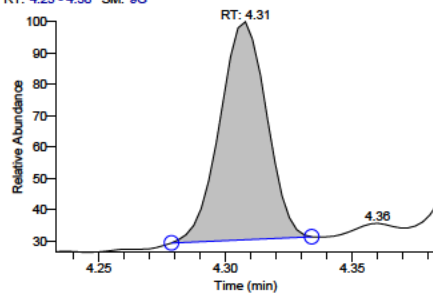
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

Sample ID: CBD-COOH40C

#### THC-D3

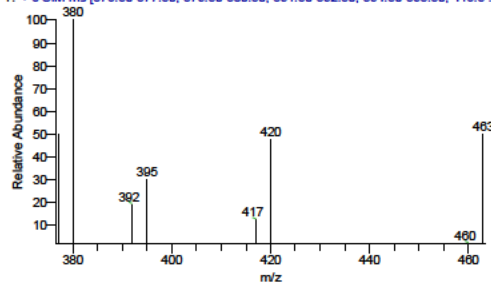
RT: 4.23 - 4.38 SM: 9G



NL:  
2.71E8  
m/z=  
463-464  
MS: ICIS  
CBD-  
COOH40C

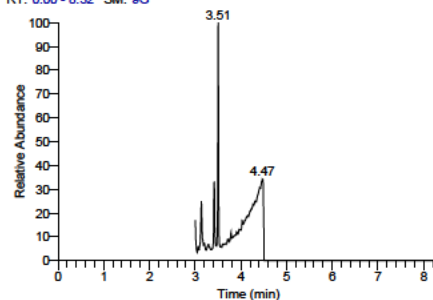
CBD-COOH40C #449 RT: 4.31 AV: 1 NL: 6.12E8

T: + c SIM ms [376.50-377.50, 378.50-380.50, 391.50-392.50, 394.50-395.50, 416.5 ...



#### THC

RT: 0.00 - 8.32 SM: 9G

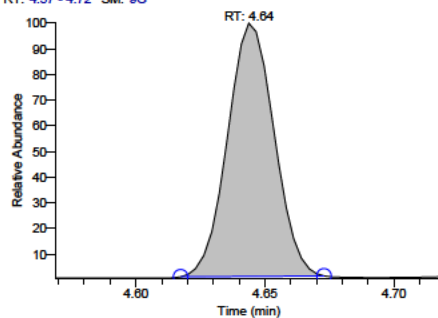


NL:  
1.21E7  
m/z=  
377-378  
MS  
CBD-  
COOH40C

There's no data available to display this graphic object.

#### THC-COOH-D9

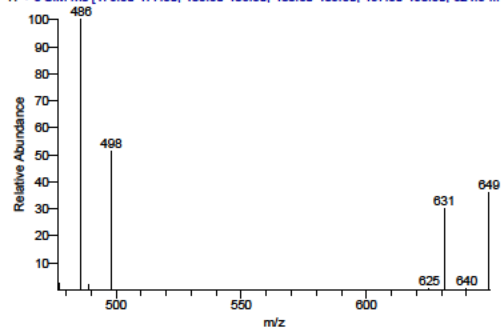
RT: 4.57 - 4.72 SM: 9G



NL:  
6.39E8  
m/z=  
649-650  
MS: ICIS  
CBD-  
COOH40C

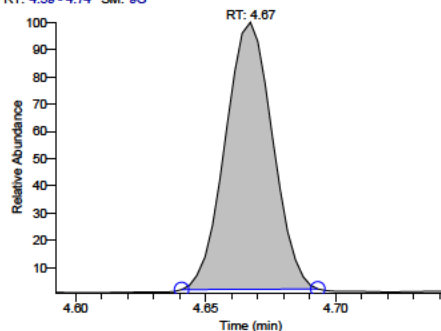
CBD-COOH40C #563 RT: 4.64 AV: 1 NL: 2.16E7

T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...



#### THC-COOH

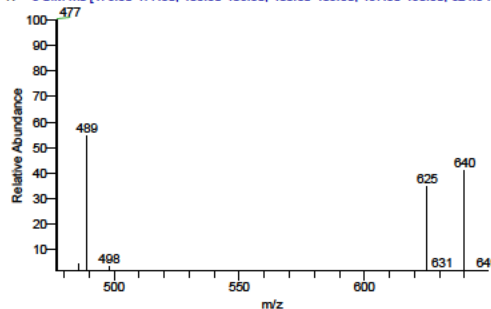
RT: 4.59 - 4.74 SM: 9G



NL:  
2.98E8  
m/z=  
640-641  
MS: ICIS  
CBD-  
COOH40C

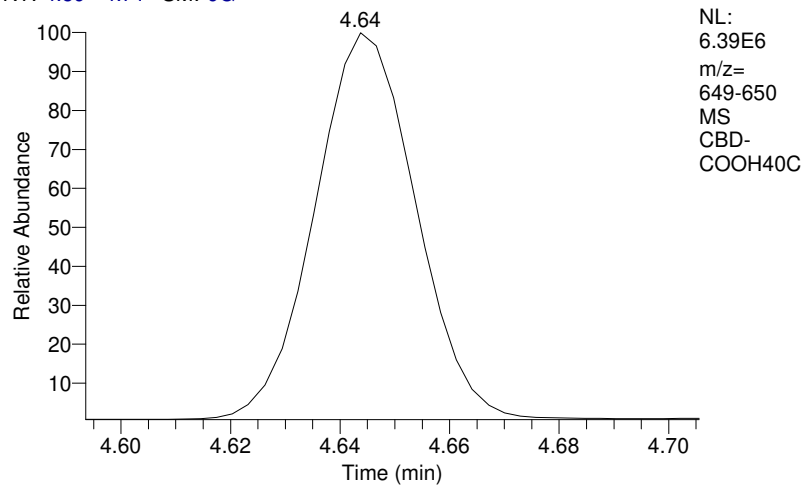
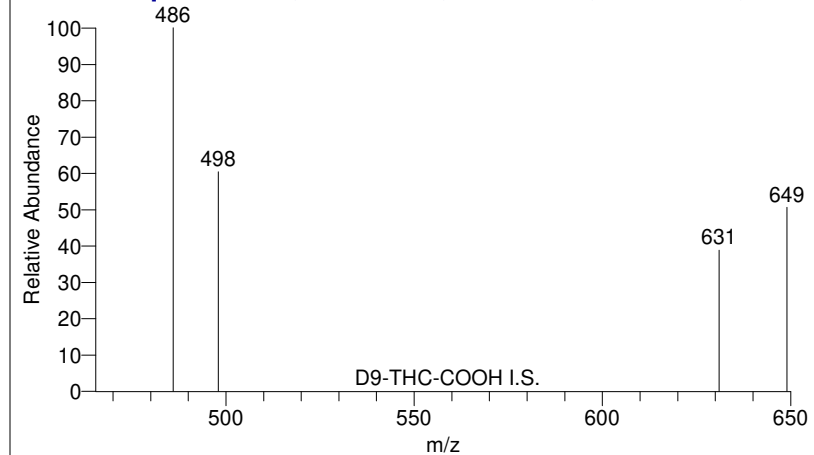
CBD-COOH40C #571 RT: 4.67 AV: 1 NL: 8.71E8

T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...

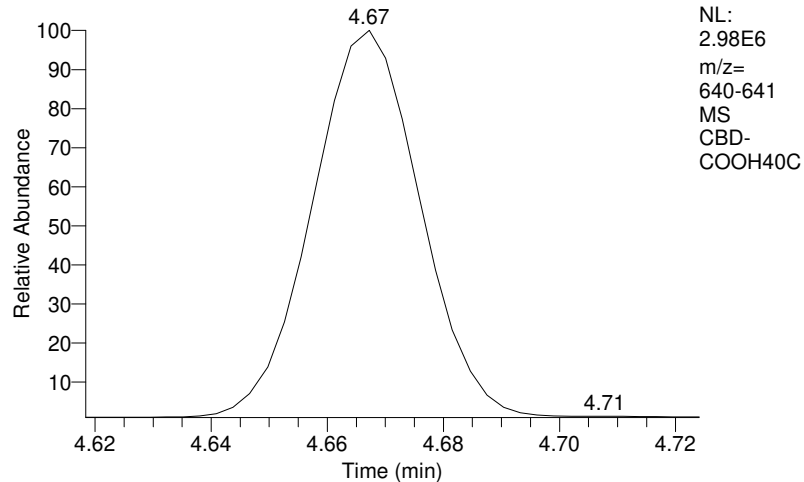
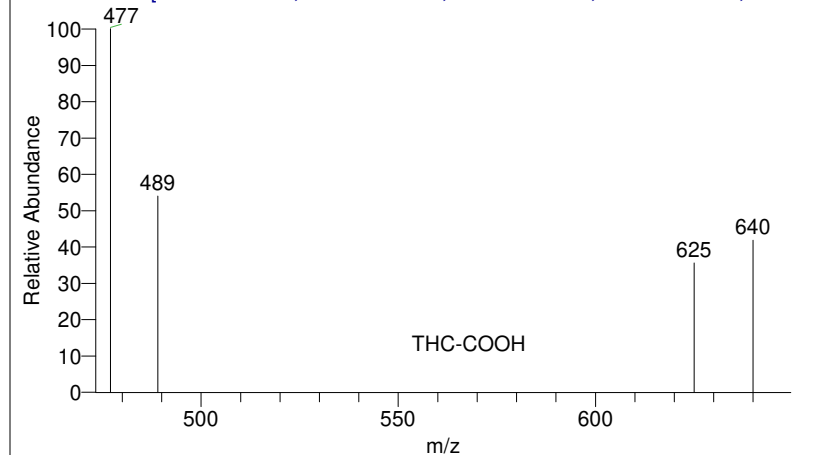




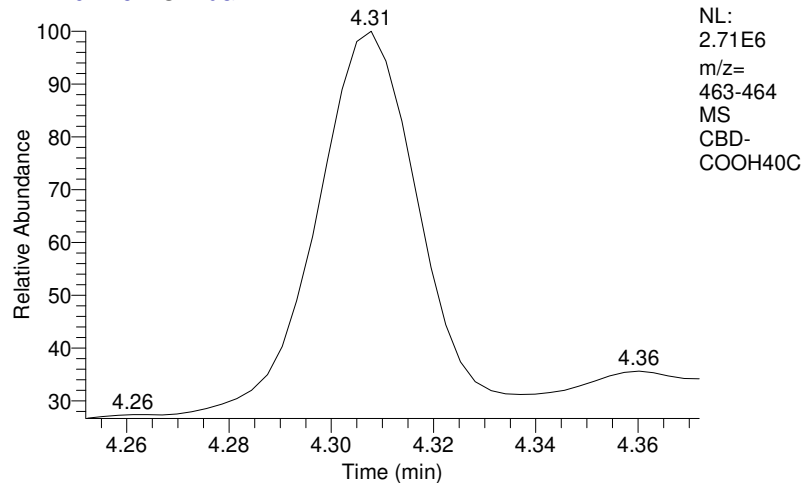
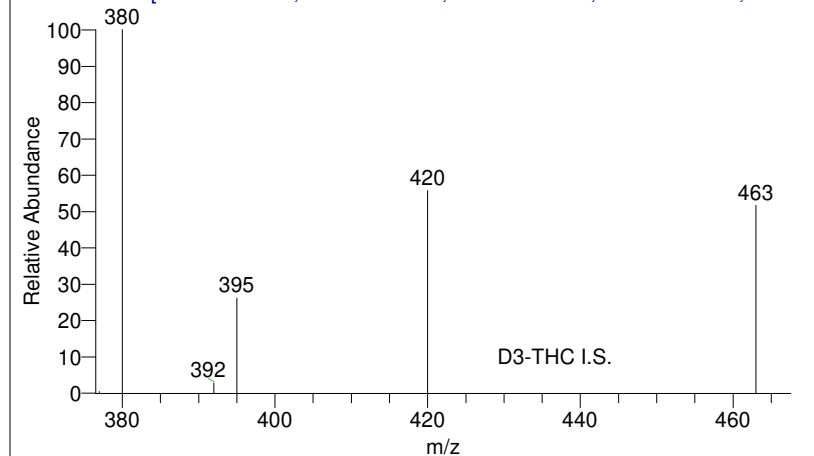
RT: 4.59 - 4.71 SM: 9G

CBD-COOH40C #561 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 9.21E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

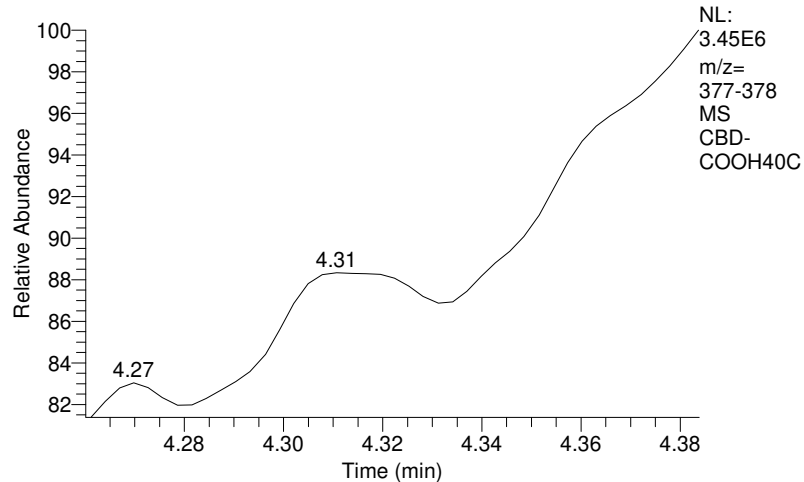
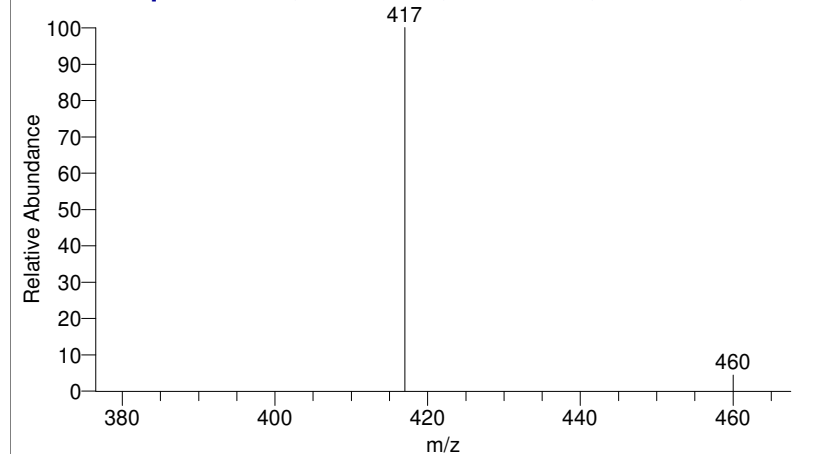
RT: 4.62 - 4.72 SM: 9G

CBD-COOH40C #571 RT: 4.67 AV: 1 SB: 2 4.65, 4.69 NL: 7.83E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

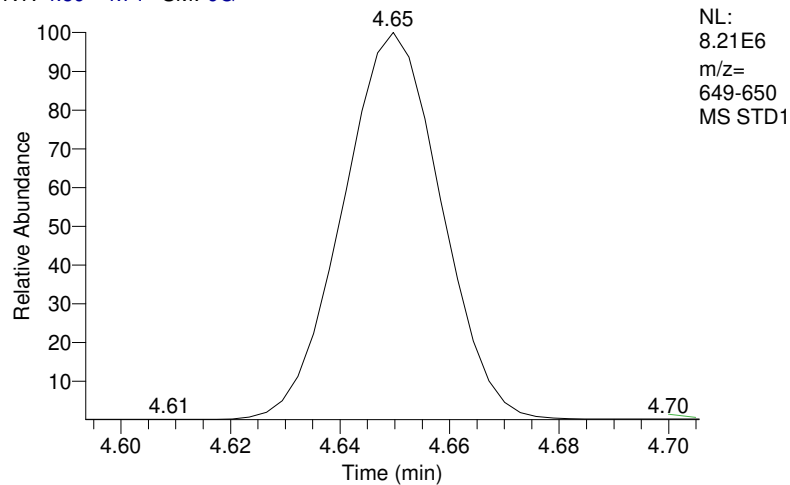
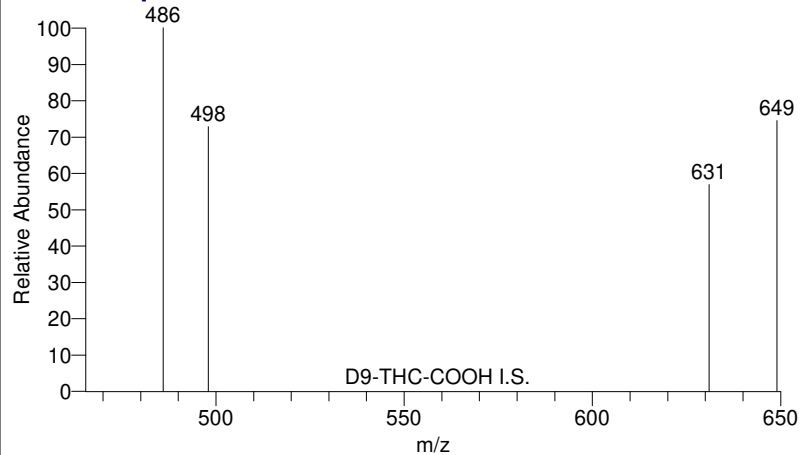
RT: 4.25 - 4.37 SM: 9G

CBD-COOH40C #446 RT: 4.30 AV: 1 SB: 2 4.29, 4.33 NL: 1.98E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

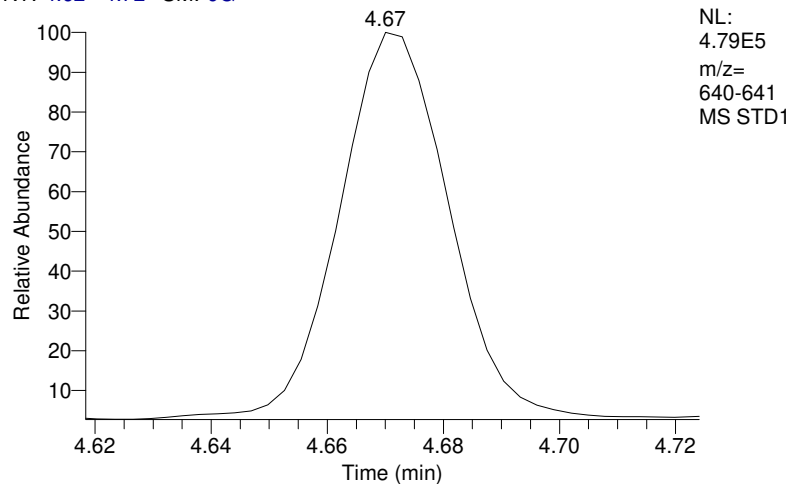
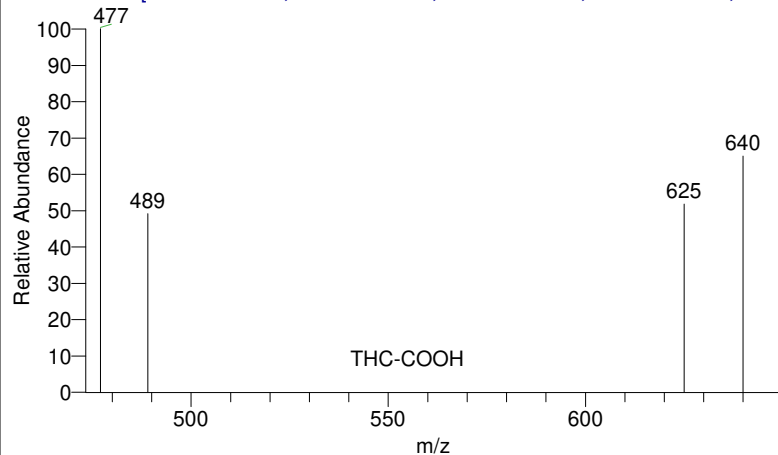
RT: 4.26 - 4.38 SM: 9G

CBD-COOH40C #455 RT: 4.33 AV: 1 SB: 2 4.30, 4.35 NL: 4.39E4  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

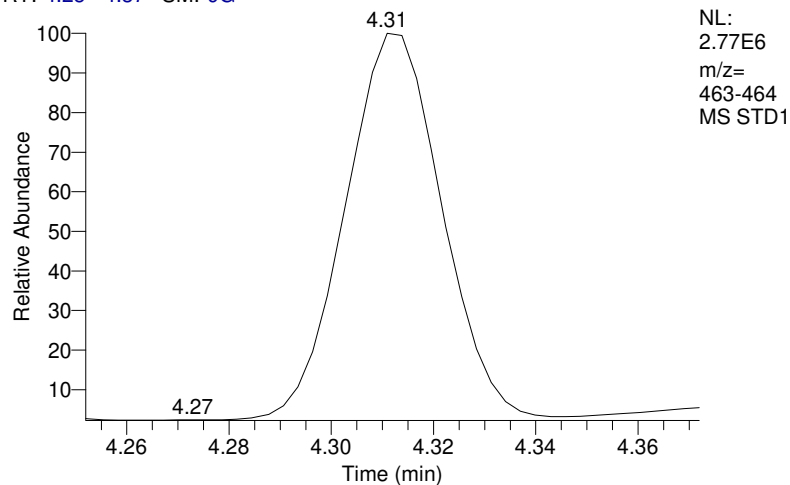
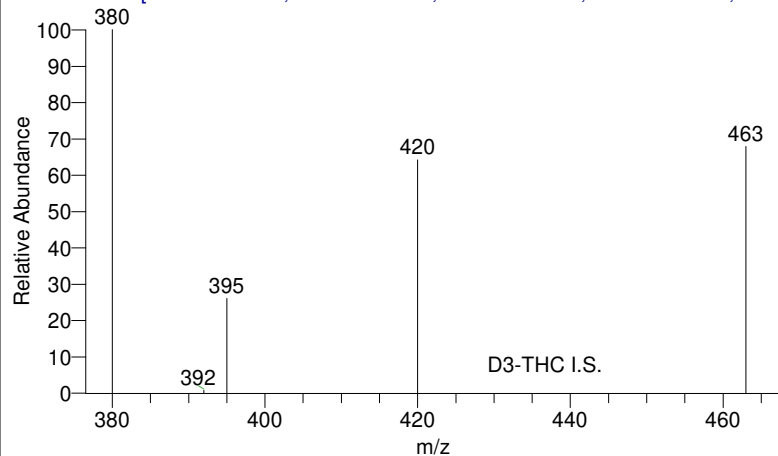
RT: 4.59 - 4.71 SM: 9G

STD1 #562 RT: 4.64 AV: 1 SB: 2 4.63 , 4.67 NL: 5.97E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

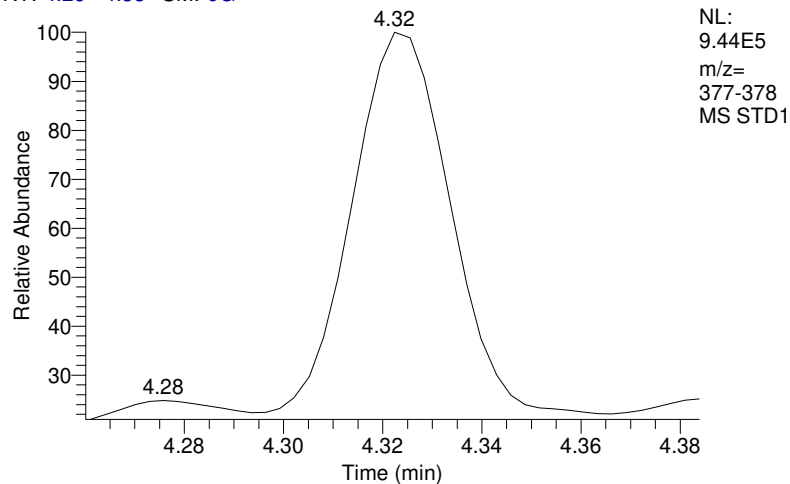
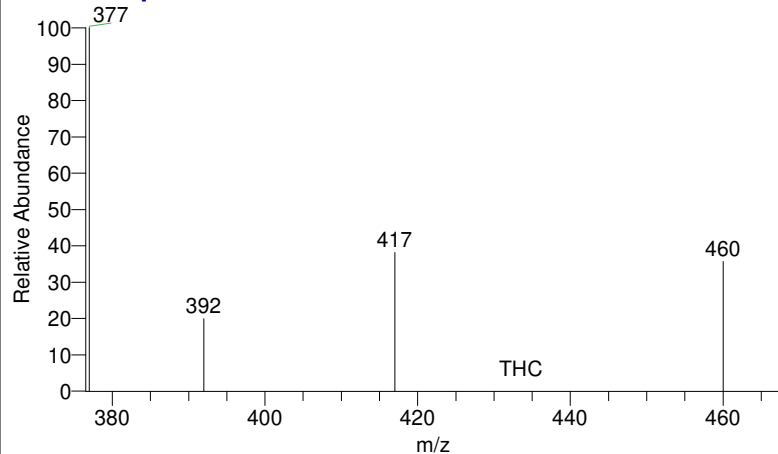
RT: 4.62 - 4.72 SM: 9G

STD1 #571 RT: 4.67 AV: 1 SB: 2 4.65 , 4.69 NL: 7.54E5  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

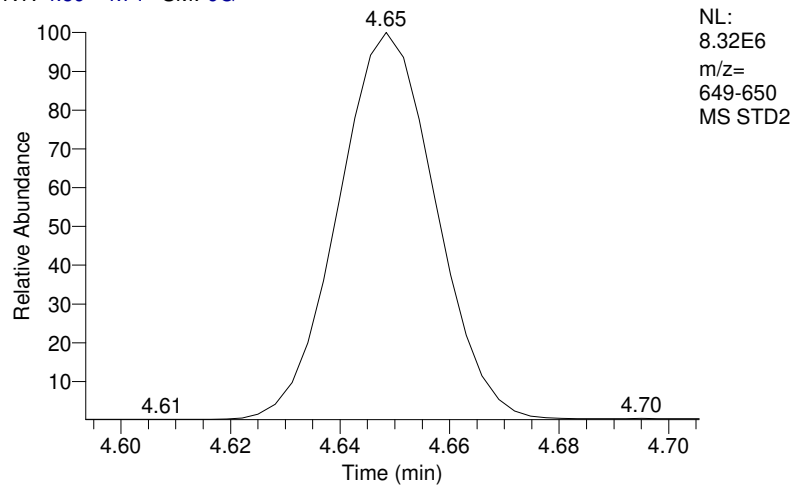
RT: 4.25 - 4.37 SM: 9G

STD1 #448 RT: 4.31 AV: 1 SB: 2 4.29 , 4.33 NL: 2.89E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

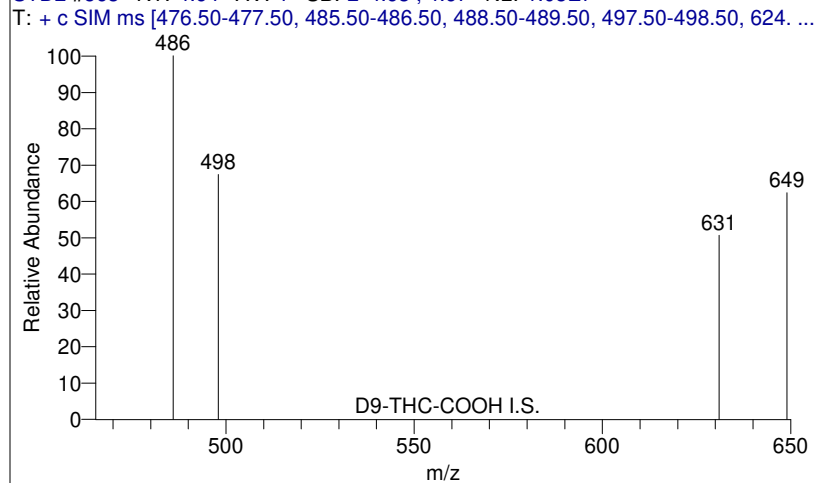
RT: 4.26 - 4.38 SM: 9G

STD1 #456 RT: 4.33 AV: 1 SB: 2 4.31 , 4.34 NL: 6.81E5  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

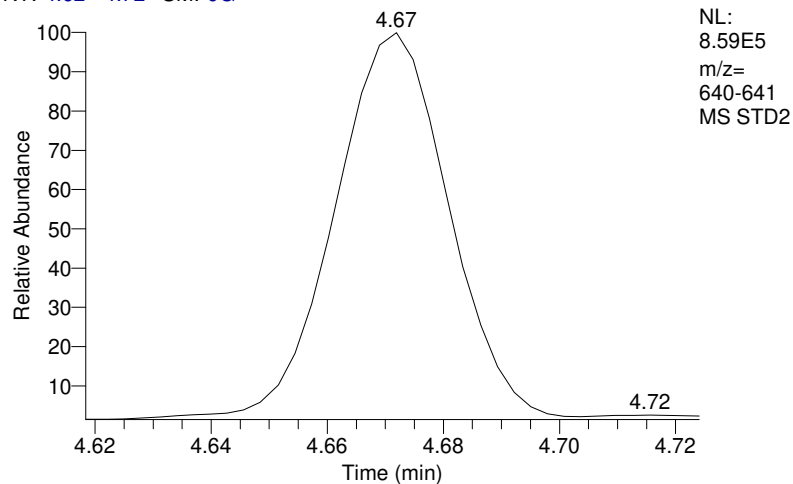
RT: 4.59 - 4.71 SM: 9G



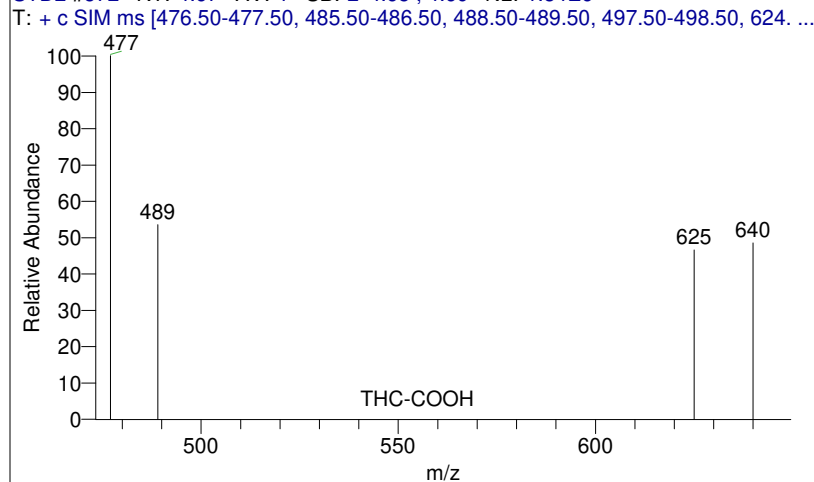
STD2 #563 RT: 4.64 AV: 1 SB: 2 4.63 , 4.67 NL: 1.08E7



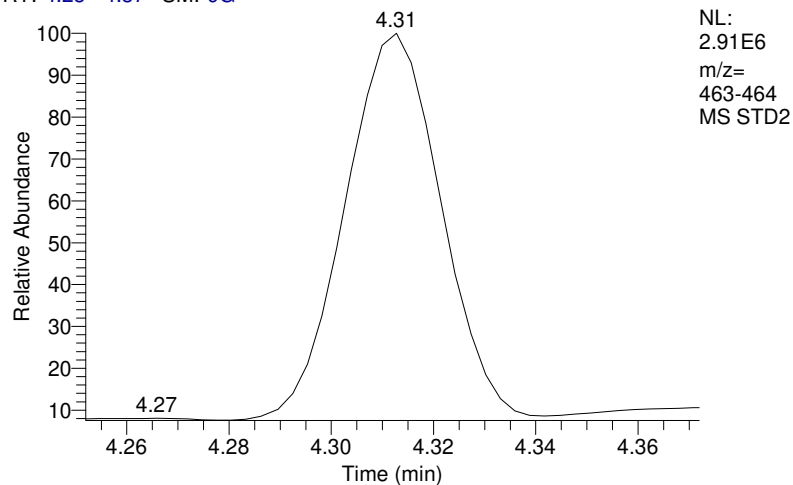
RT: 4.62 - 4.72 SM: 9G



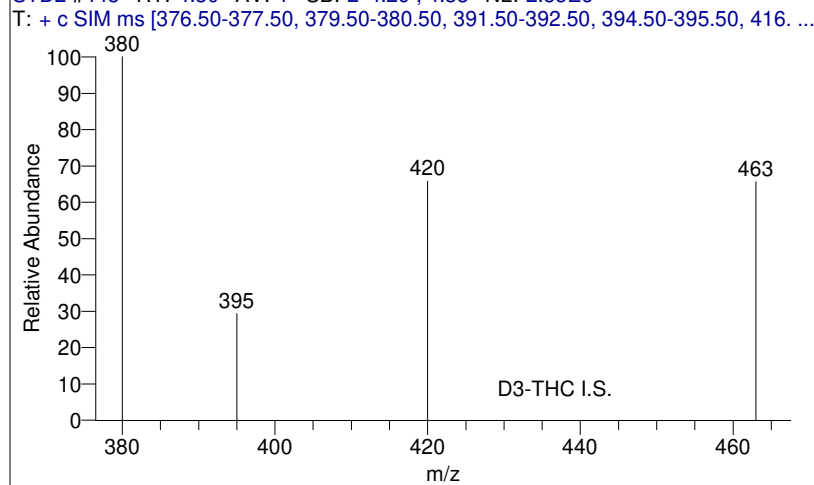
STD2 #572 RT: 4.67 AV: 1 SB: 2 4.65 , 4.69 NL: 1.84E6



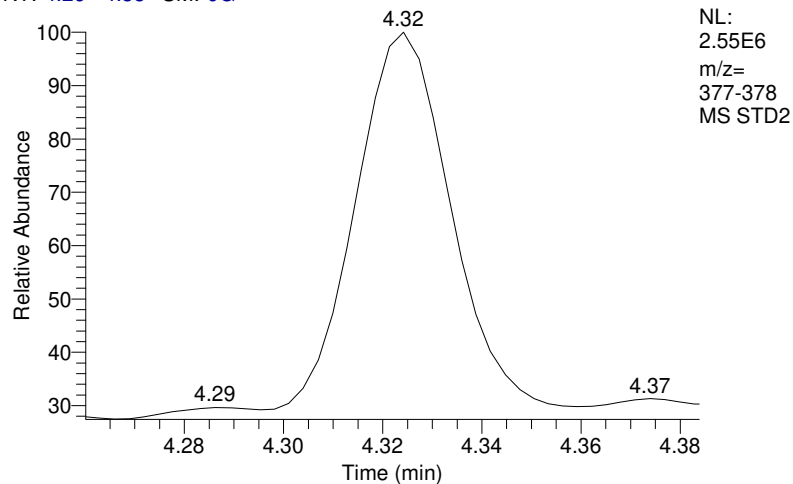
RT: 4.25 - 4.37 SM: 9G



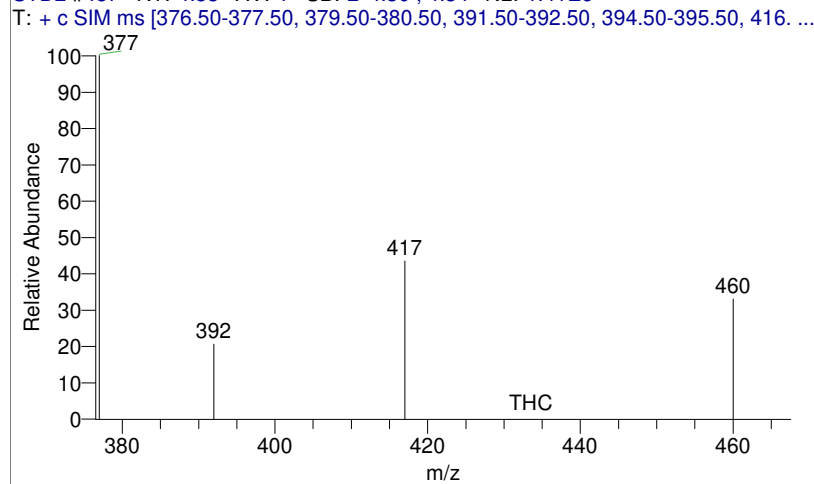
STD2 #448 RT: 4.30 AV: 1 SB: 2 4.29 , 4.33 NL: 2.55E6



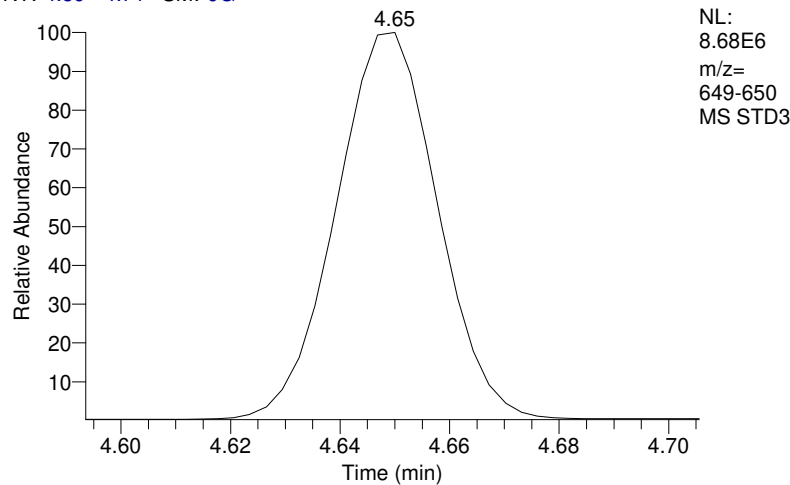
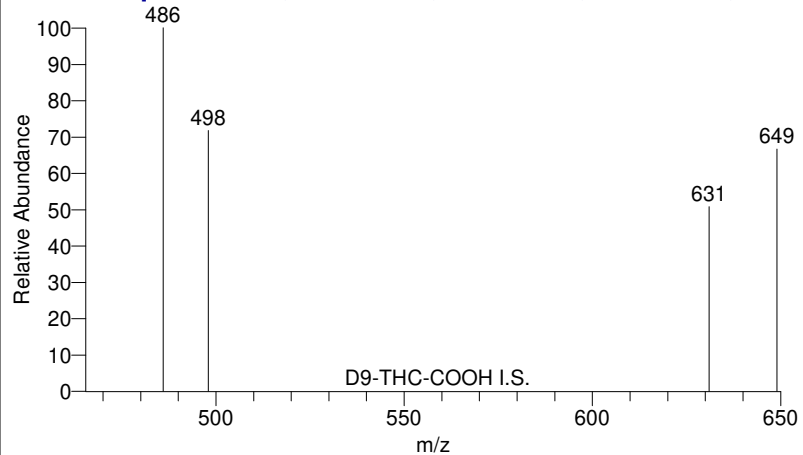
RT: 4.26 - 4.38 SM: 9G



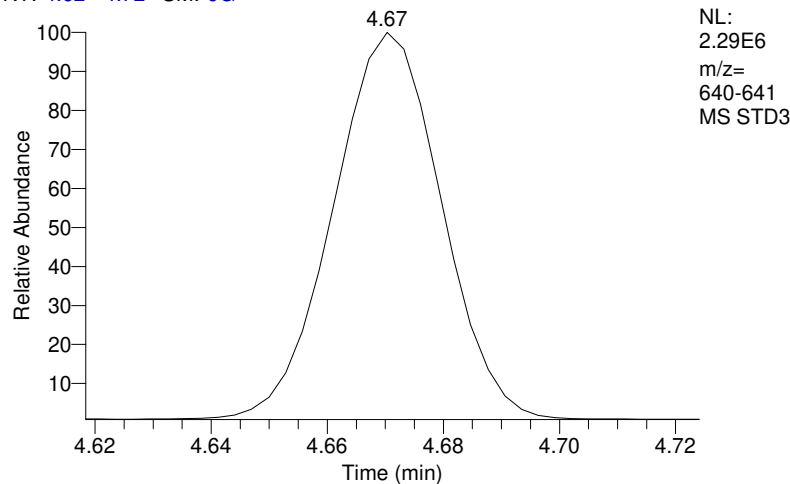
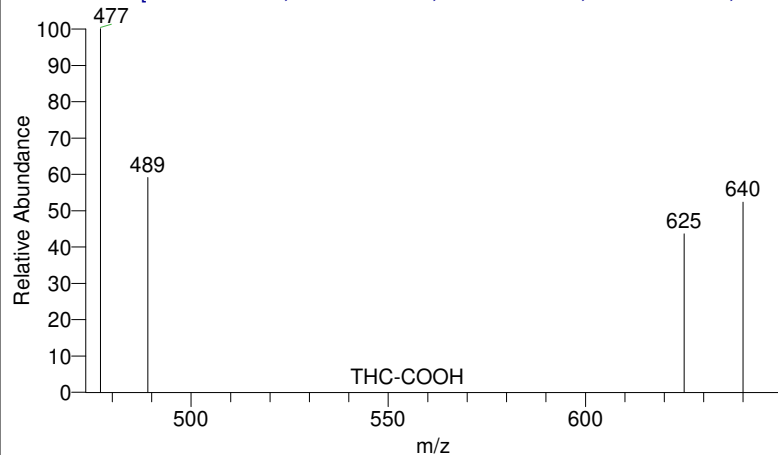
STD2 #457 RT: 4.33 AV: 1 SB: 2 4.30 , 4.34 NL: 1.41E6



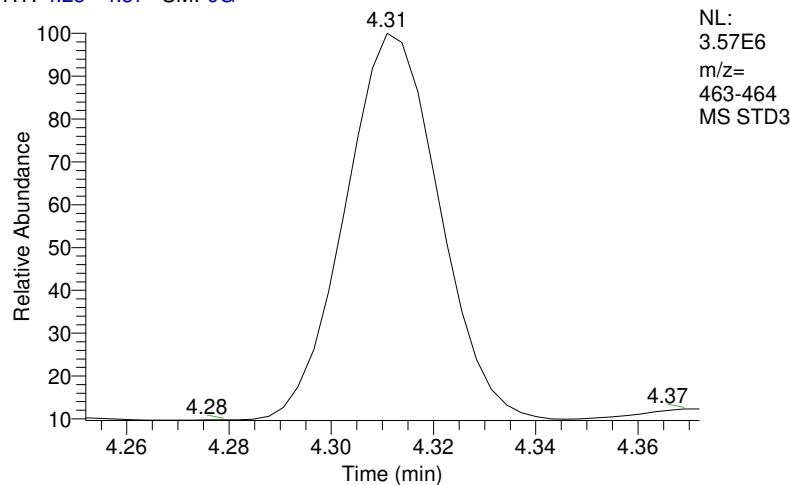
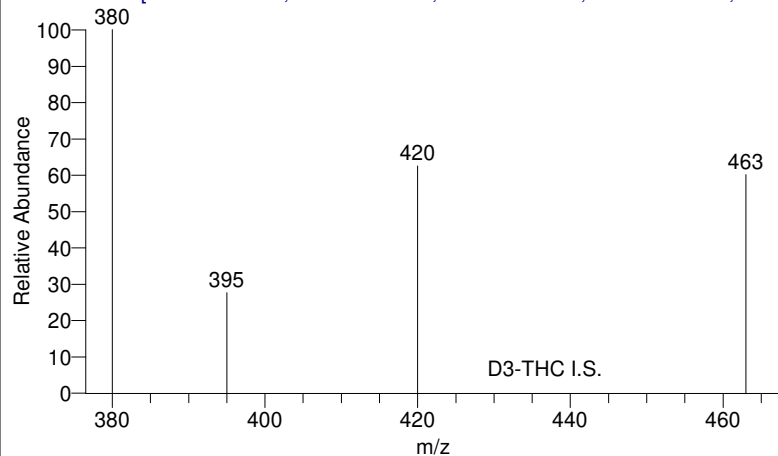
RT: 4.59 - 4.71 SM: 9G

STD3 #562 RT: 4.64 AV: 1 SB: 2 4.63 , 4.67 NL: 8.52E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

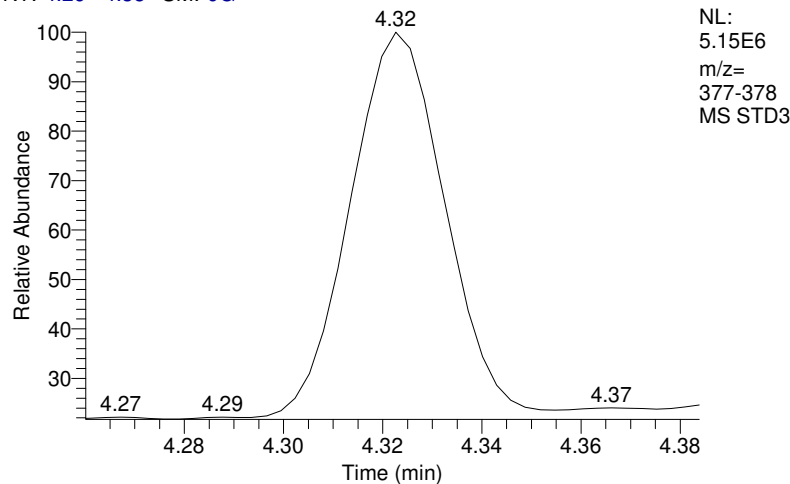
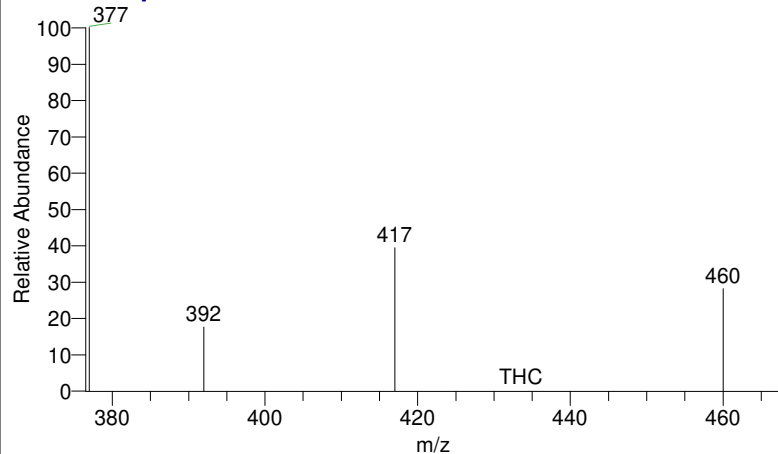
RT: 4.62 - 4.72 SM: 9G

STD3 #571 RT: 4.67 AV: 1 SB: 2 4.65 , 4.69 NL: 4.48E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

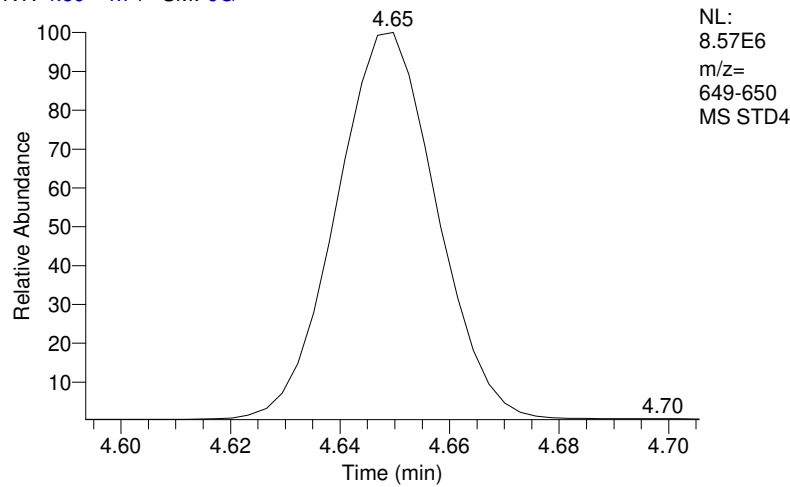
RT: 4.25 - 4.37 SM: 9G

STD3 #448 RT: 4.31 AV: 1 SB: 2 4.29 , 4.33 NL: 3.95E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

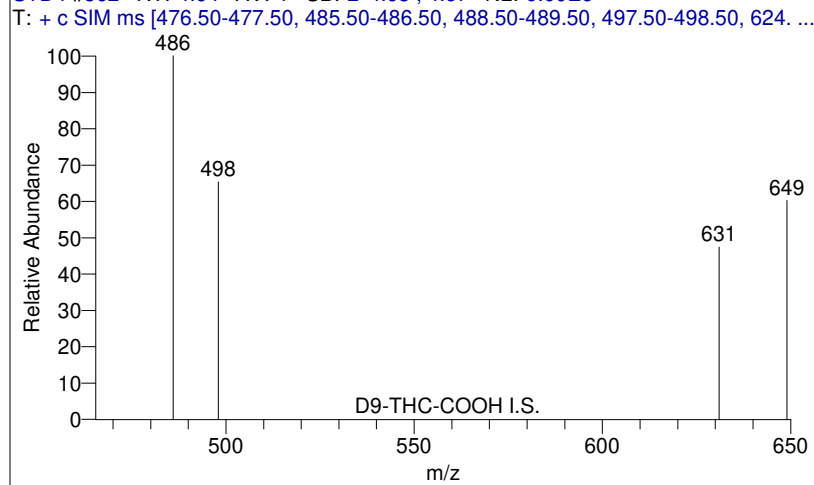
RT: 4.26 - 4.38 SM: 9G

STD3 #457 RT: 4.33 AV: 1 SB: 2 4.31 , 4.34 NL: 2.37E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

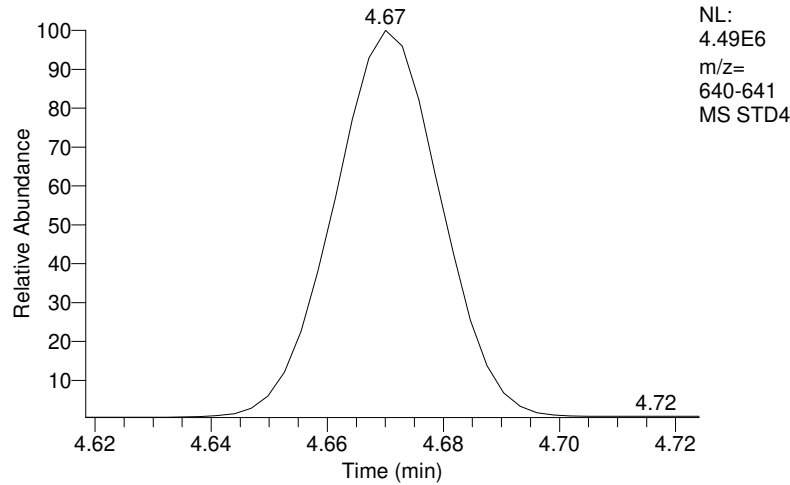
RT: 4.59 - 4.71 SM: 9G



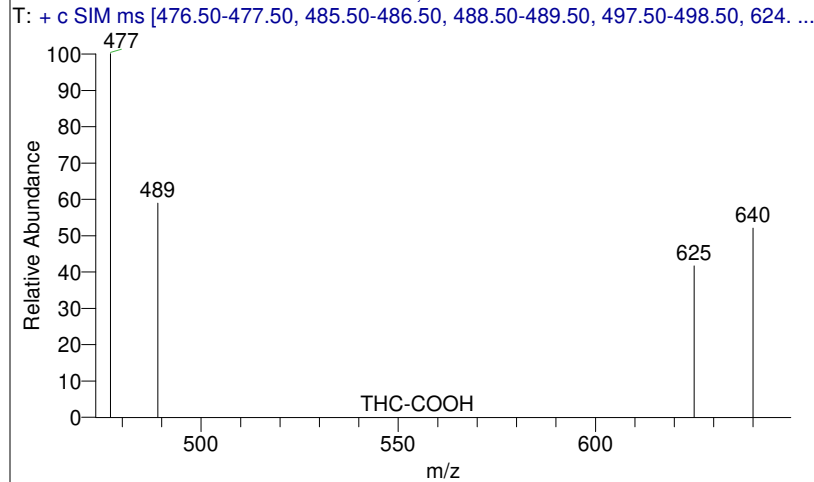
STD4 #562 RT: 4.64 AV: 1 SB: 2 4.63 , 4.67 NL: 9.00E6



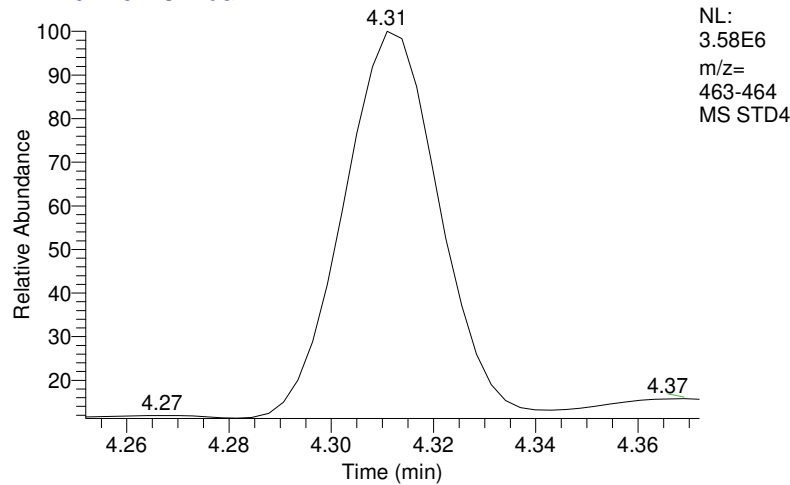
RT: 4.62 - 4.72 SM: 9G



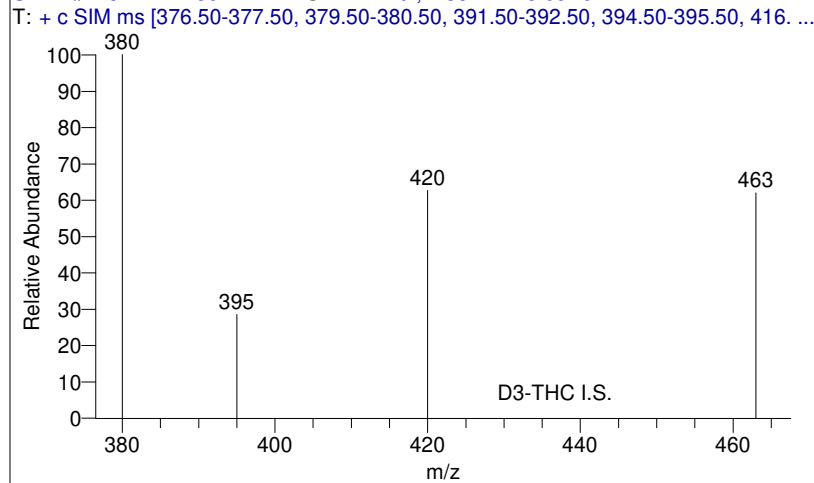
STD4 #571 RT: 4.67 AV: 1 SB: 2 4.65 , 4.69 NL: 8.88E6



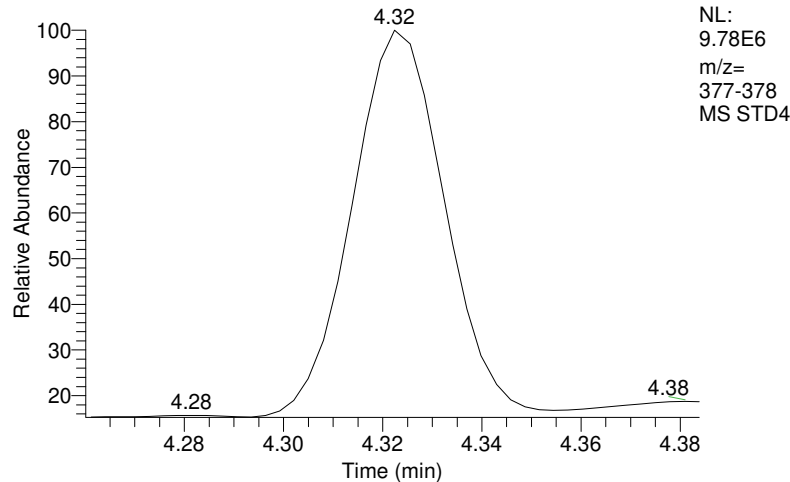
RT: 4.25 - 4.37 SM: 9G



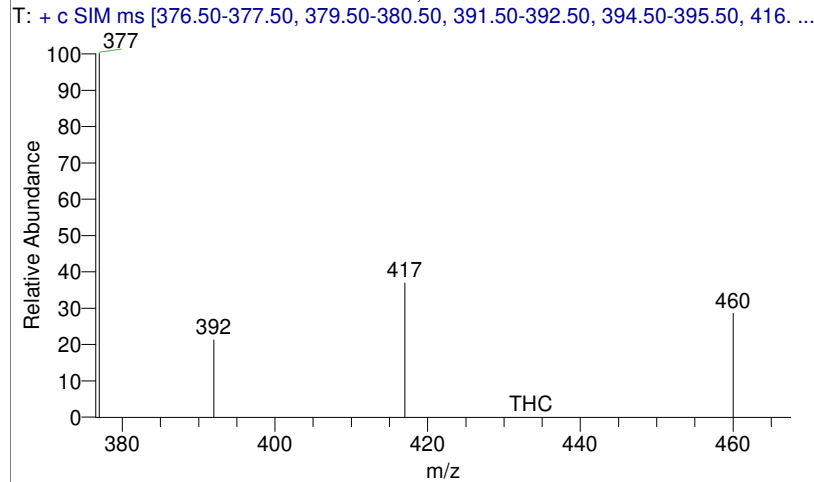
STD4 #448 RT: 4.30 AV: 1 SB: 2 4.29 , 4.33 NL: 3.65E6



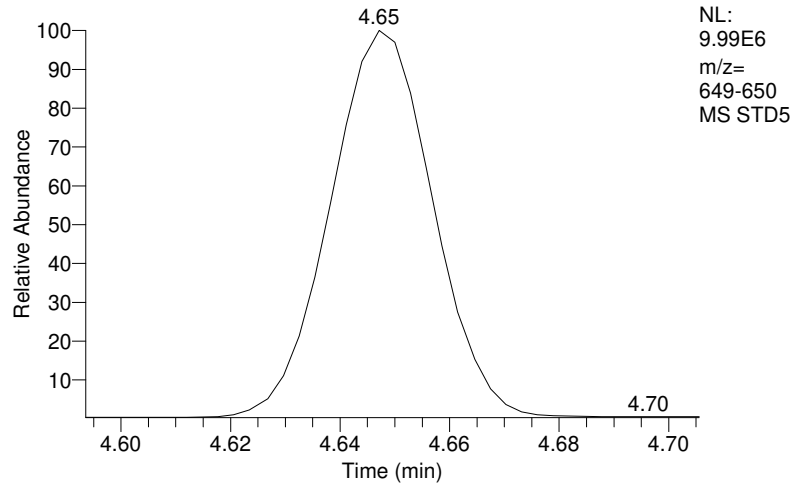
RT: 4.26 - 4.38 SM: 9G



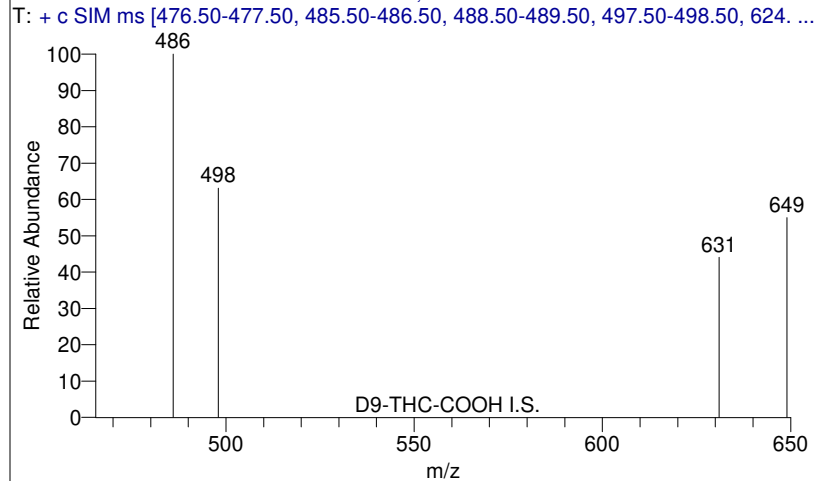
STD4 #457 RT: 4.33 AV: 1 SB: 2 4.30 , 4.34 NL: 4.85E6



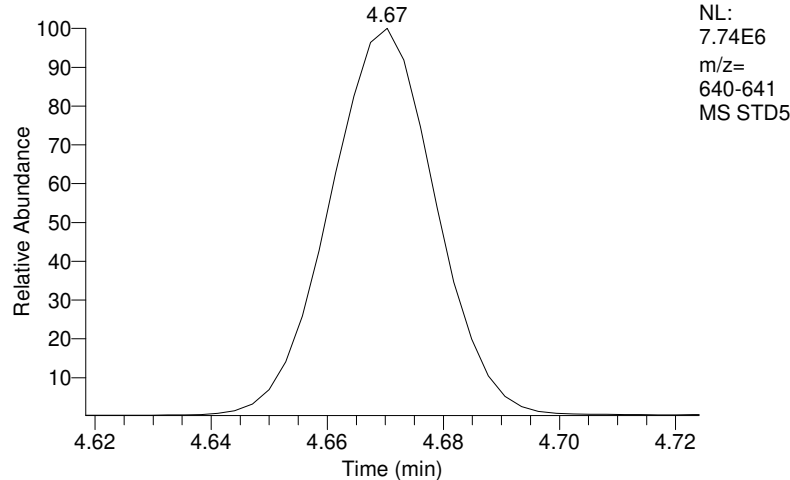
RT: 4.59 - 4.71 SM: 9G



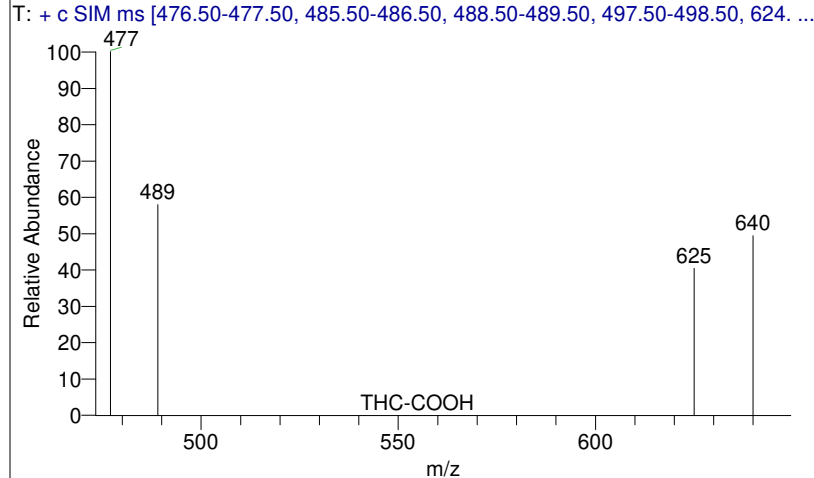
STD5 #562 RT: 4.64 AV: 1 SB: 2 4.63 , 4.67 NL: 1.37E7



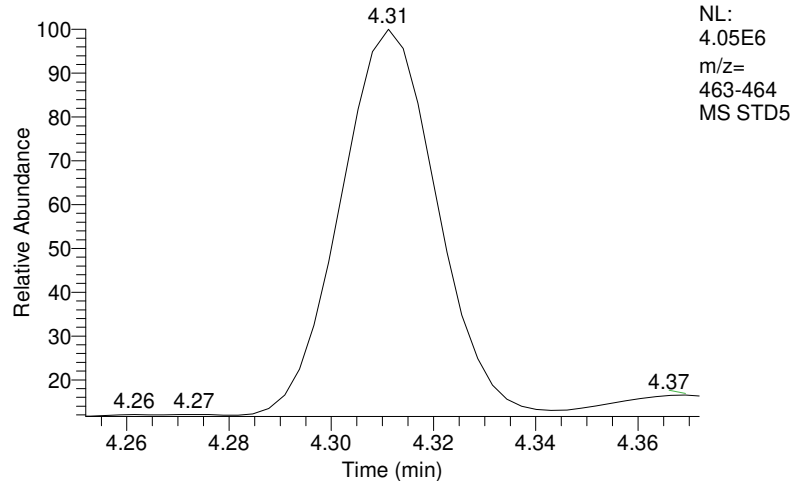
RT: 4.62 - 4.72 SM: 9G



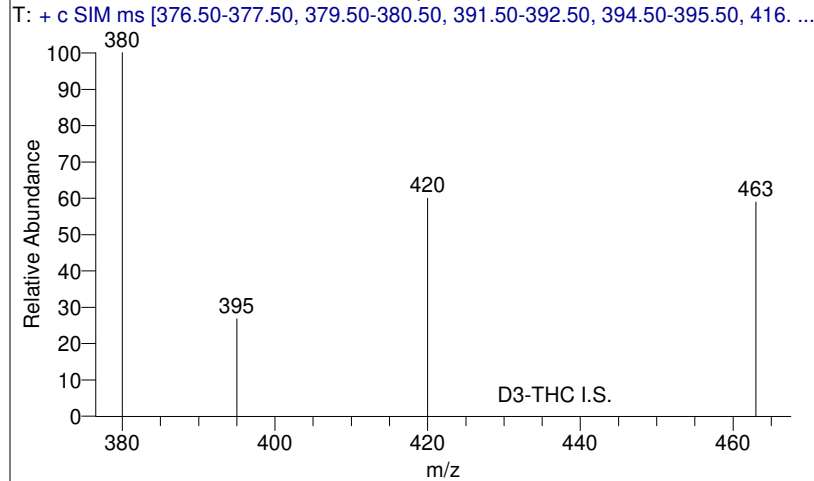
STD5 #571 RT: 4.67 AV: 1 SB: 2 4.65 , 4.69 NL: 1.71E7



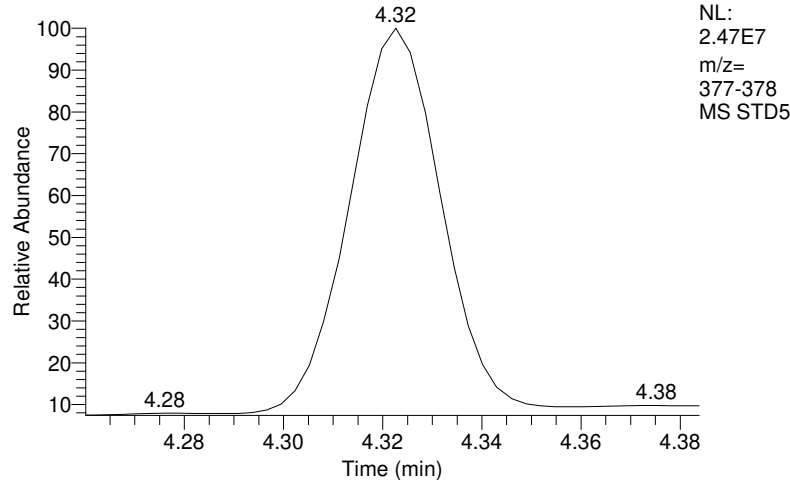
RT: 4.25 - 4.37 SM: 9G



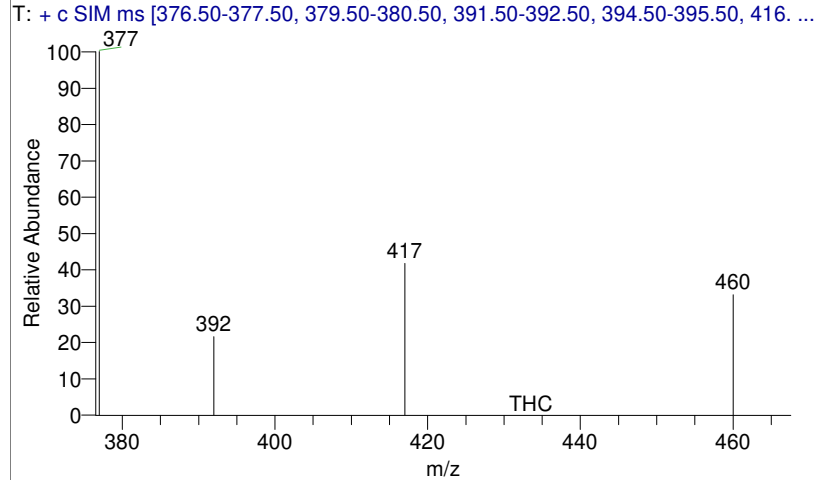
STD5 #448 RT: 4.31 AV: 1 SB: 2 4.29 , 4.33 NL: 4.95E6



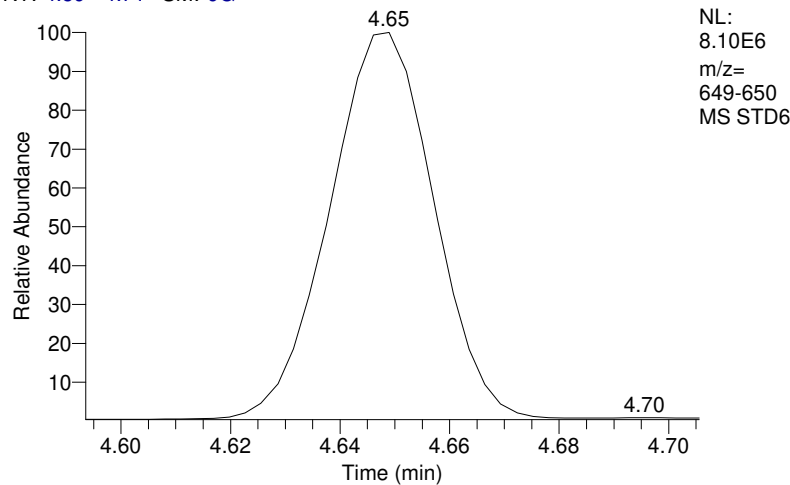
RT: 4.26 - 4.38 SM: 9G



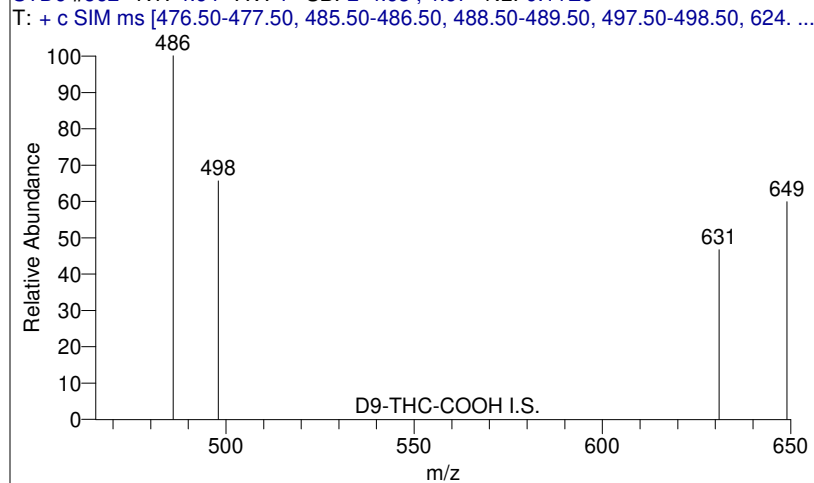
STD5 #455 RT: 4.33 AV: 1 SB: 2 4.31 , 4.34 NL: 2.41E7



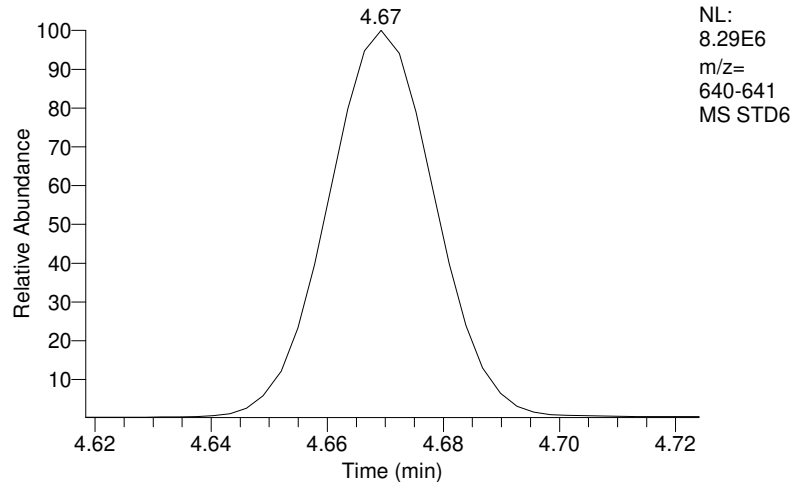
RT: 4.59 - 4.71 SM: 9G



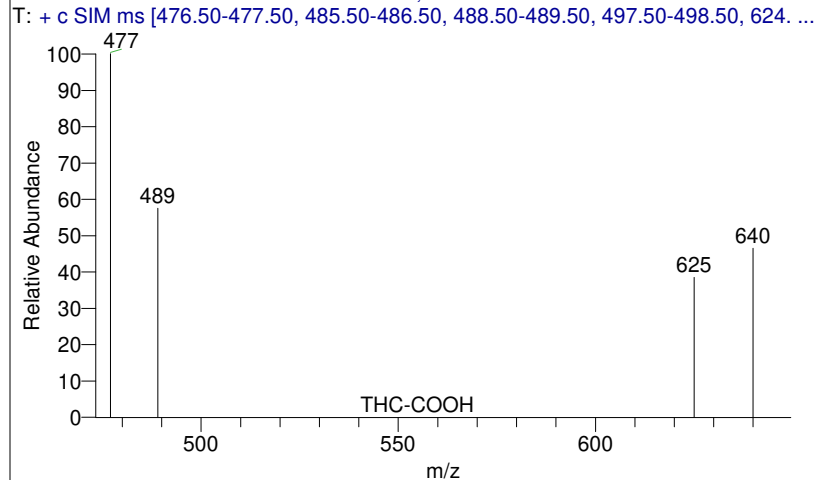
STD6 #562 RT: 4.64 AV: 1 SB: 2 4.63 , 4.67 NL: 9.11E6



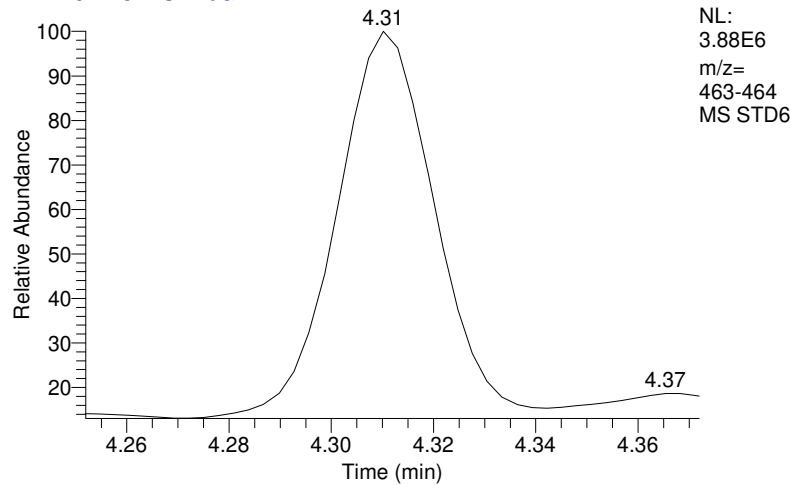
RT: 4.62 - 4.72 SM: 9G



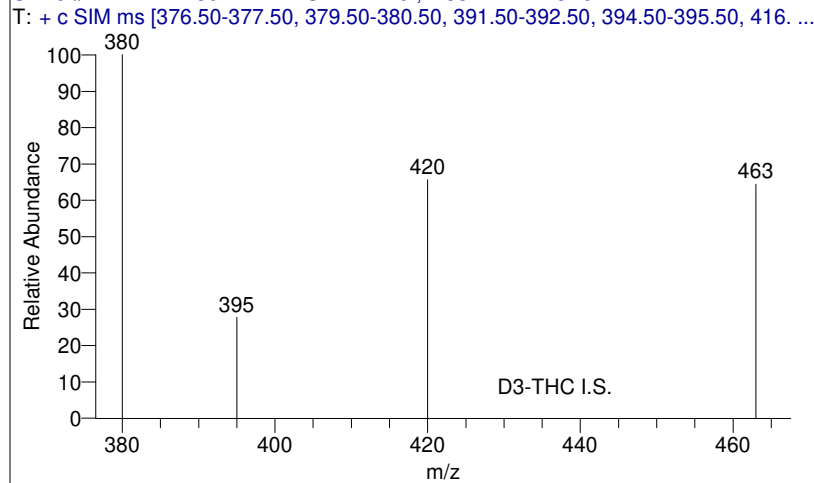
STD6 #572 RT: 4.67 AV: 1 SB: 2 4.65 , 4.69 NL: 2.06E7



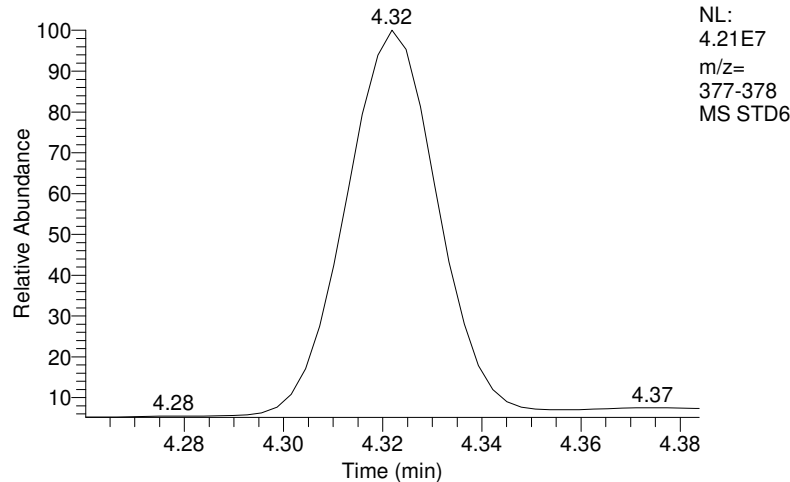
RT: 4.25 - 4.37 SM: 9G



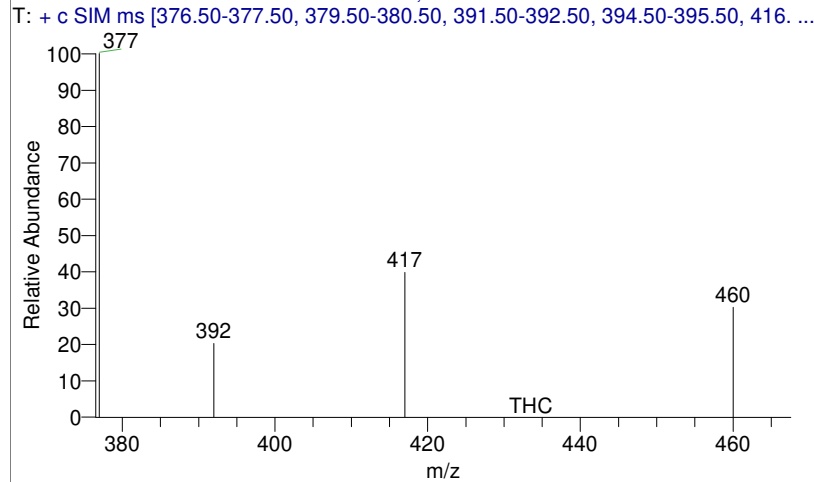
STD6 #447 RT: 4.30 AV: 1 SB: 2 4.29 , 4.33 NL: 2.48E6



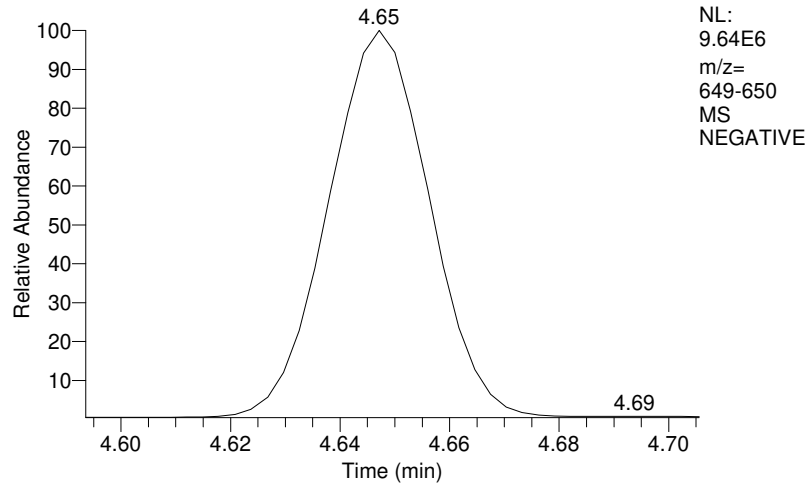
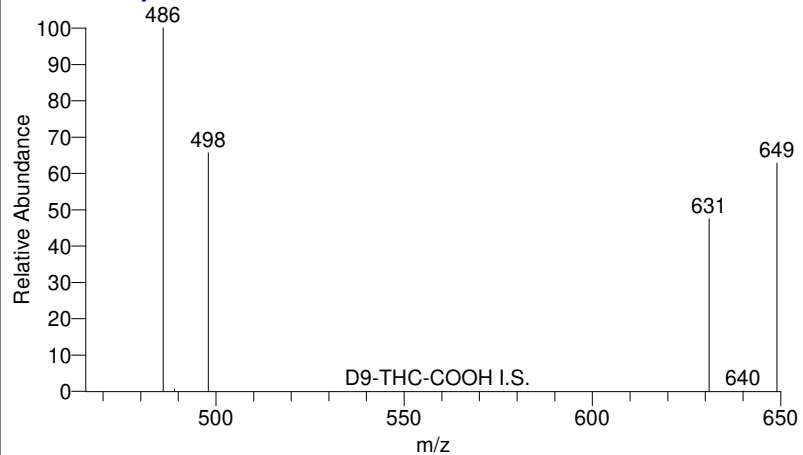
RT: 4.26 - 4.38 SM: 9G



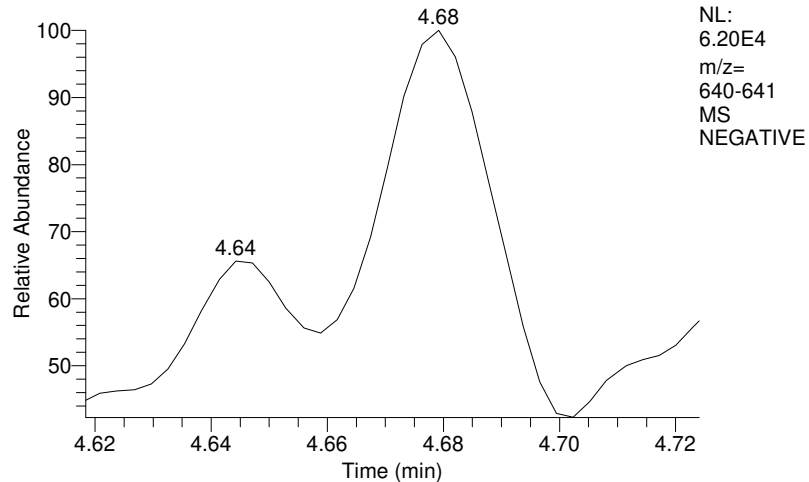
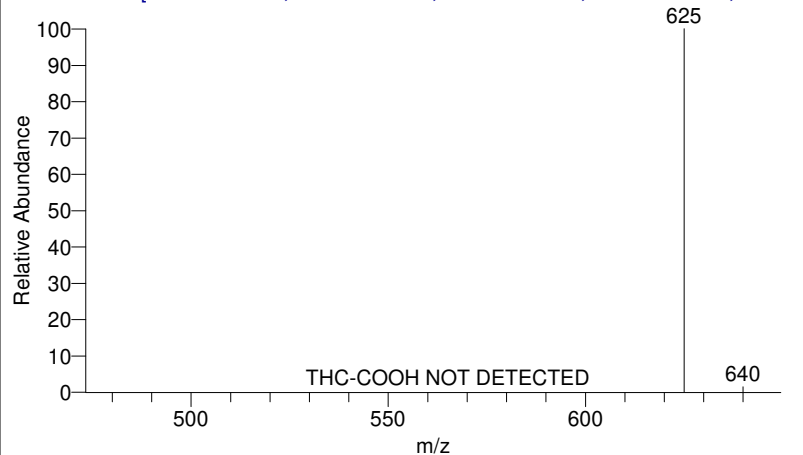
STD6 #456 RT: 4.33 AV: 1 SB: 2 4.30 , 4.35 NL: 3.32E7



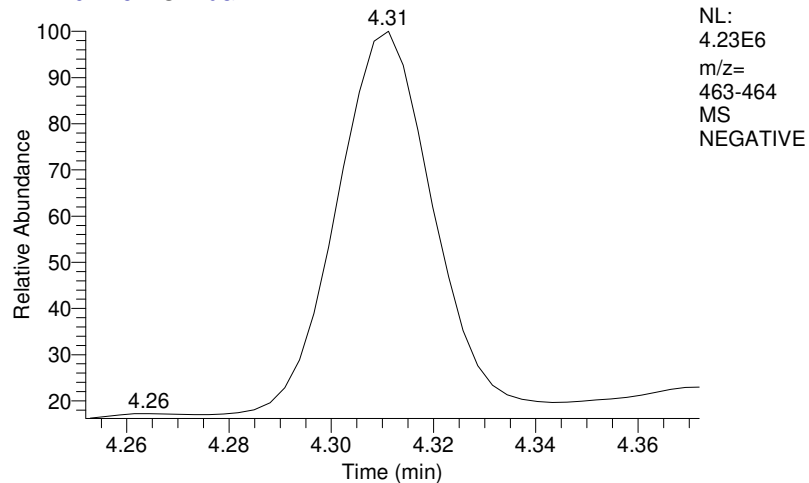
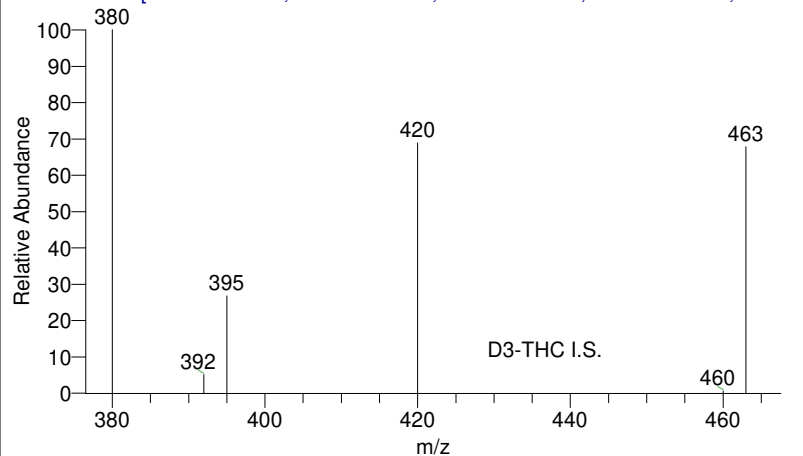
RT: 4.59 - 4.71 SM: 9G

NEGATIVE #561 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 7.88E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

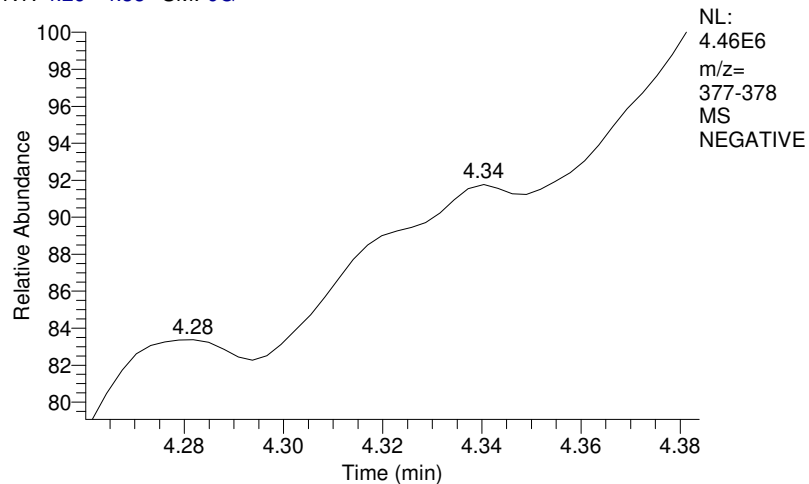
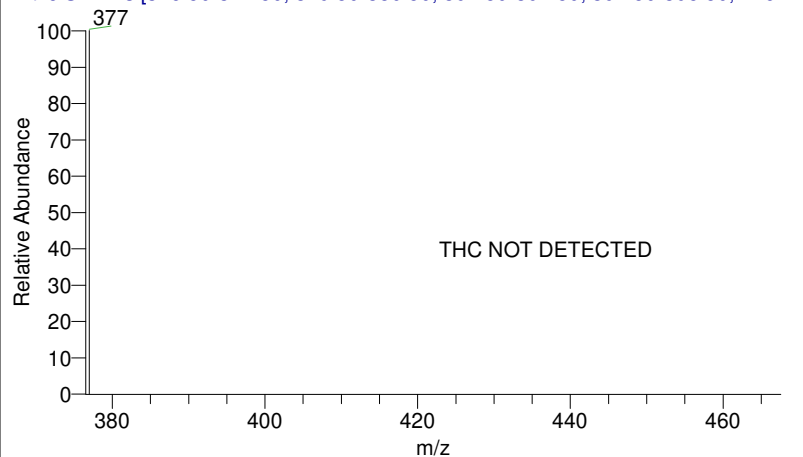
RT: 4.62 - 4.72 SM: 9G

NEGATIVE #571 RT: 4.67 AV: 1 SB: 2 4.65, 4.69 NL: 1.05E5  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

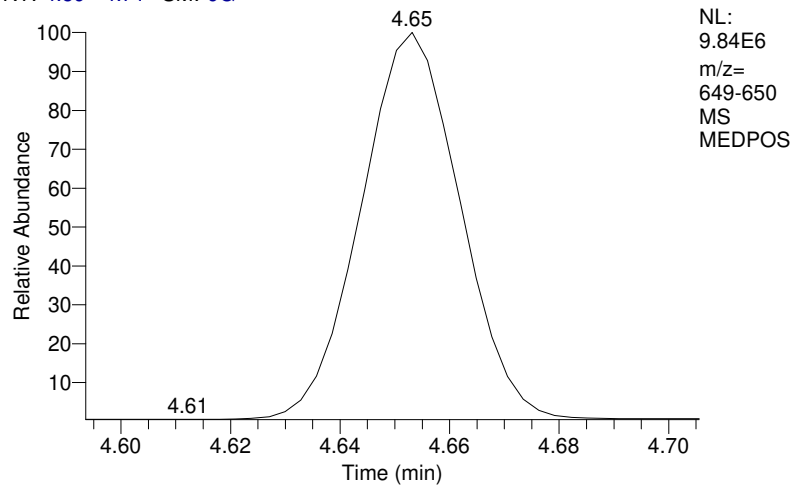
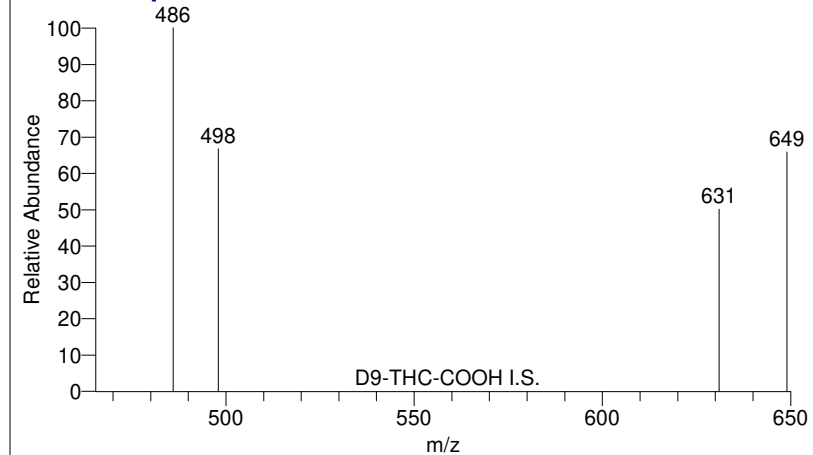
NEGATIVE #446 RT: 4.30 AV: 1 SB: 2 4.29, 4.33 NL: 1.55E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

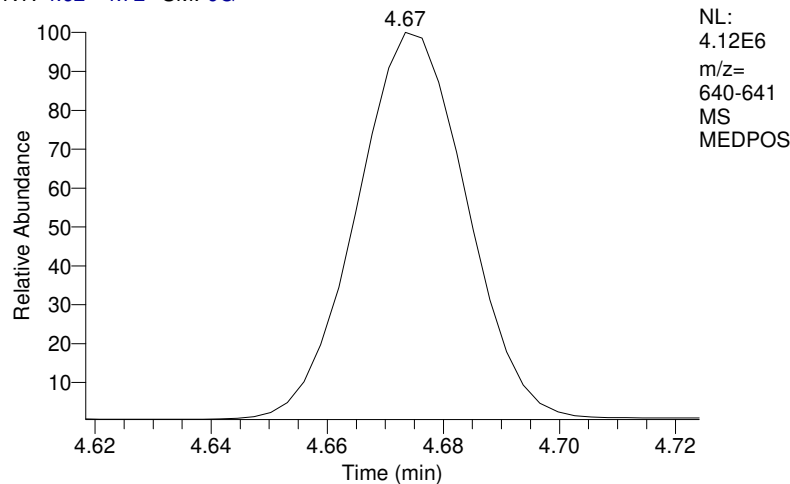
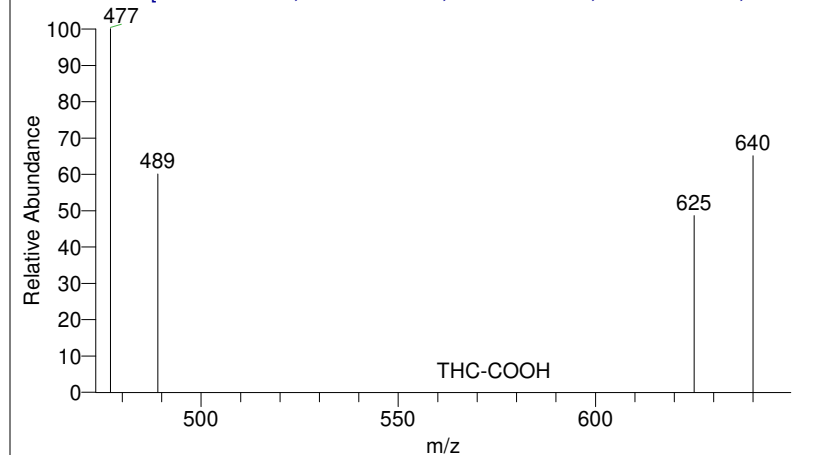
NEGATIVE #455 RT: 4.33 AV: 1 SB: 2 4.31, 4.34 NL: 8.46E4  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...



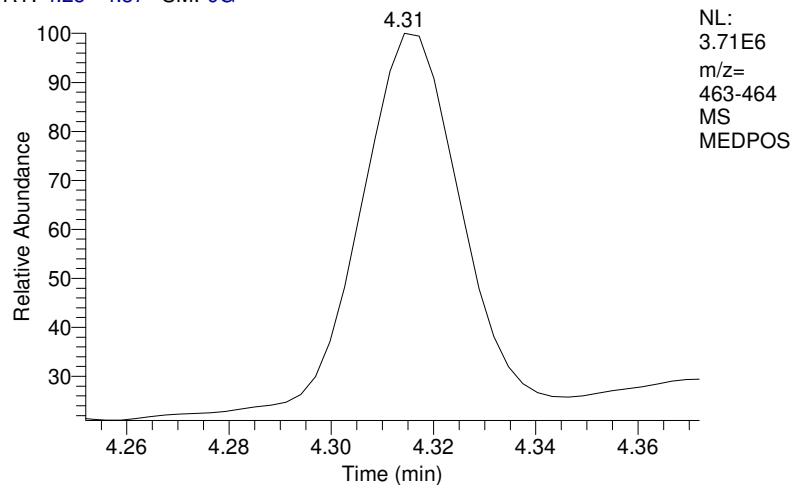
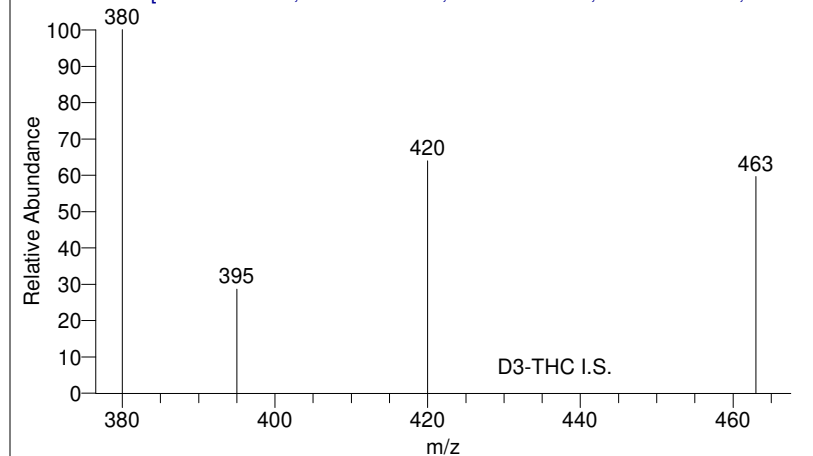
RT: 4.59 - 4.71 SM: 9G

MEDPOS #563-564 RT: 4.64-4.65 AV: 2 SB: 2 4.63 , 4.67 NL: 9.72E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

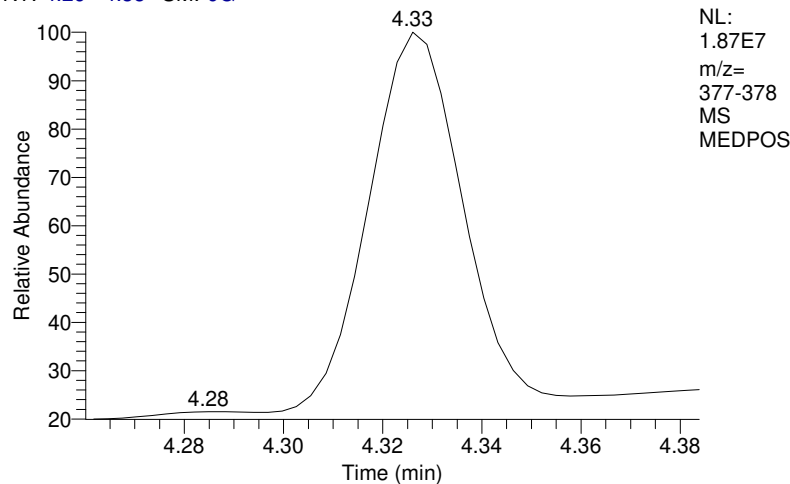
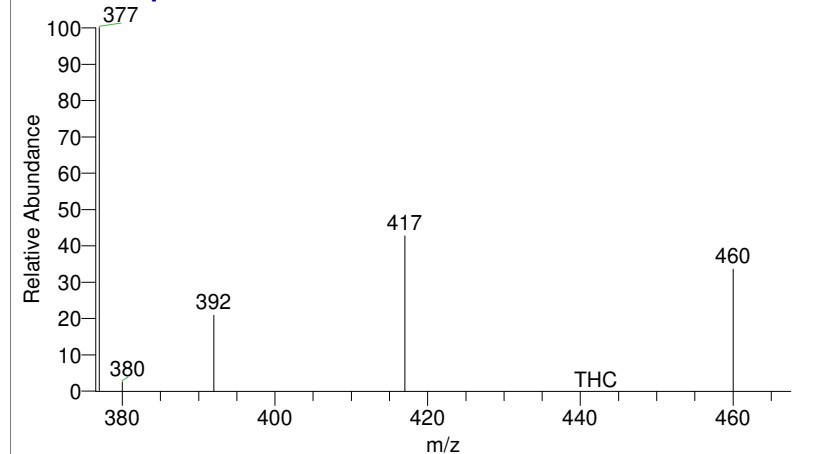
RT: 4.62 - 4.72 SM: 9G

MEDPOS #571 RT: 4.67 AV: 1 SB: 2 4.65 , 4.69 NL: 4.56E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

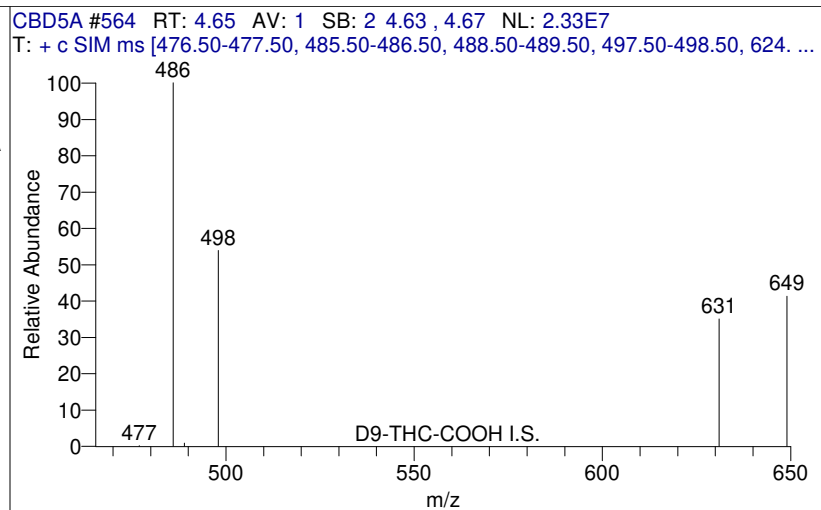
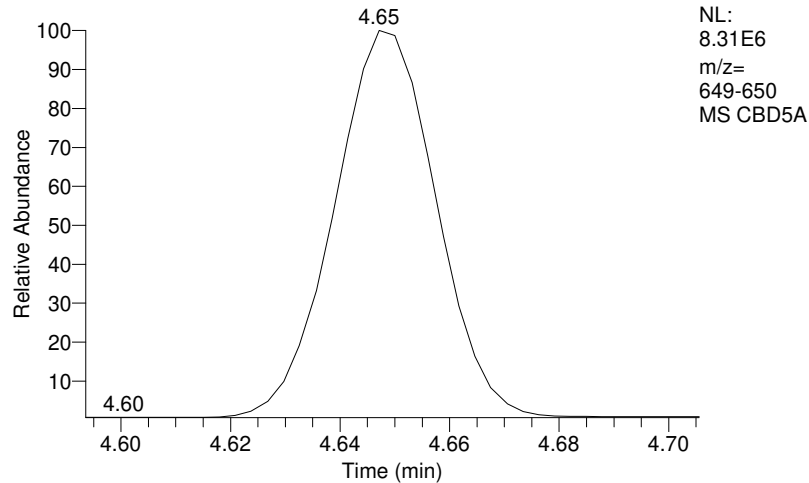
RT: 4.25 - 4.37 SM: 9G

MEDPOS #449 RT: 4.31 AV: 1 SB: 2 4.29 , 4.33 NL: 3.30E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

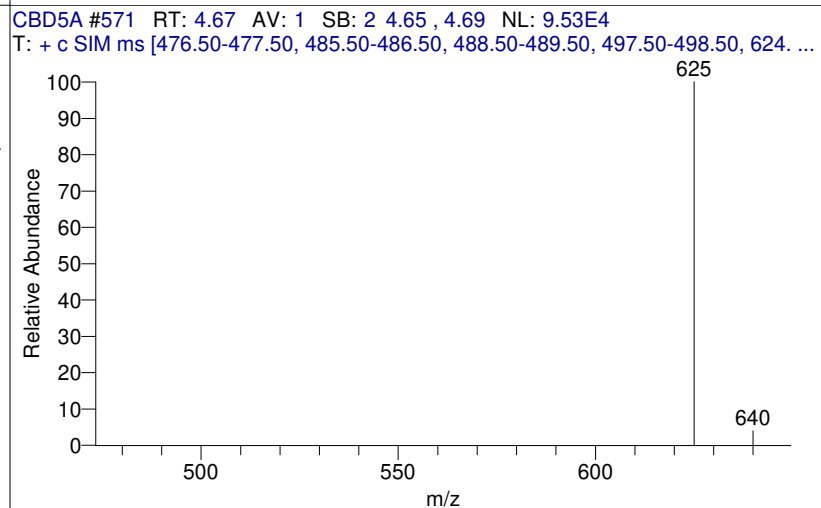
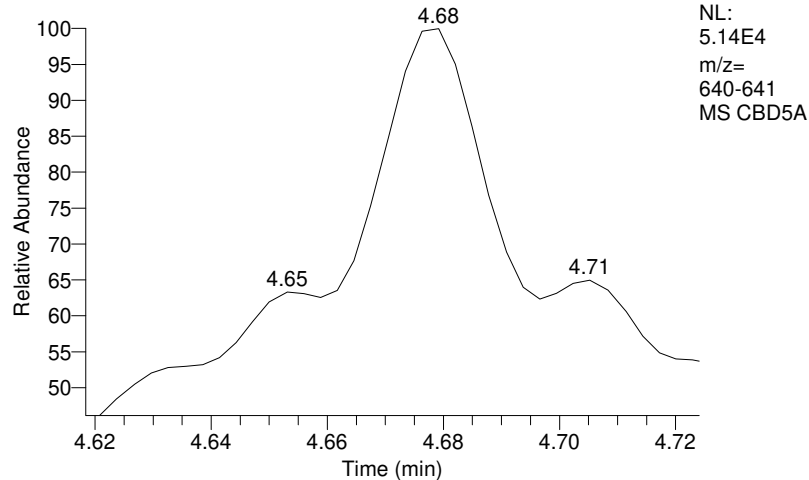
RT: 4.26 - 4.38 SM: 9G

MEDPOS #457 RT: 4.33 AV: 1 SB: 2 4.31 , 4.34 NL: 1.24E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

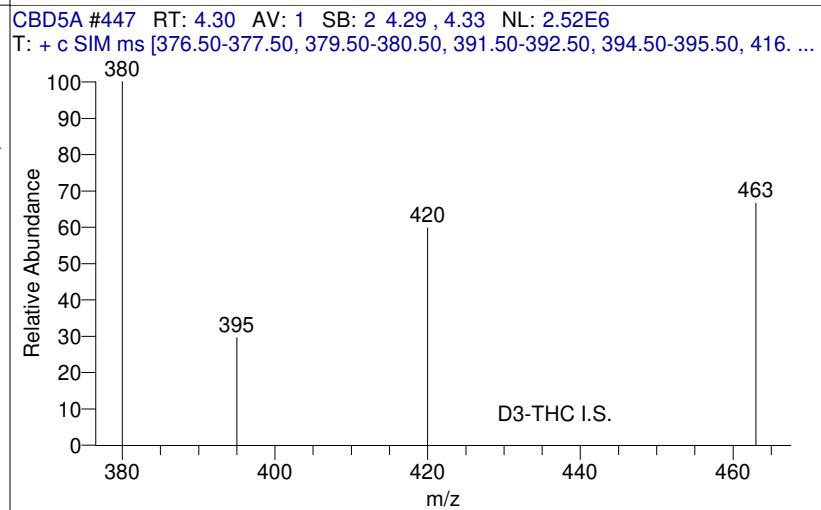
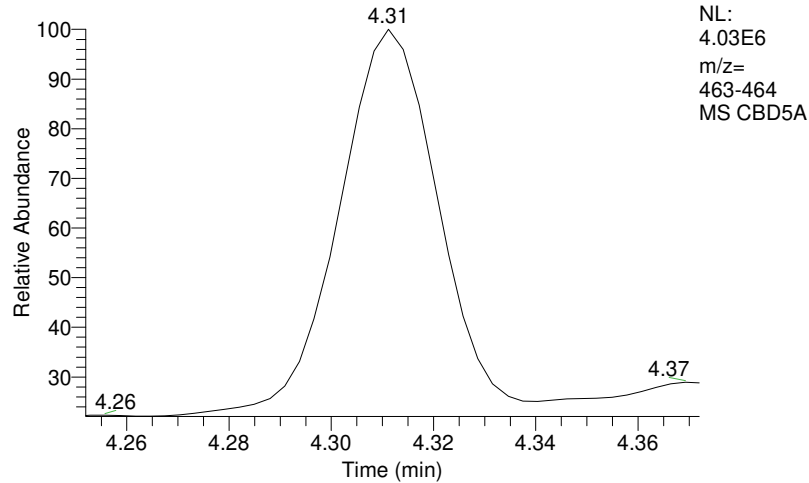
RT: 4.59 - 4.71 SM: 9G



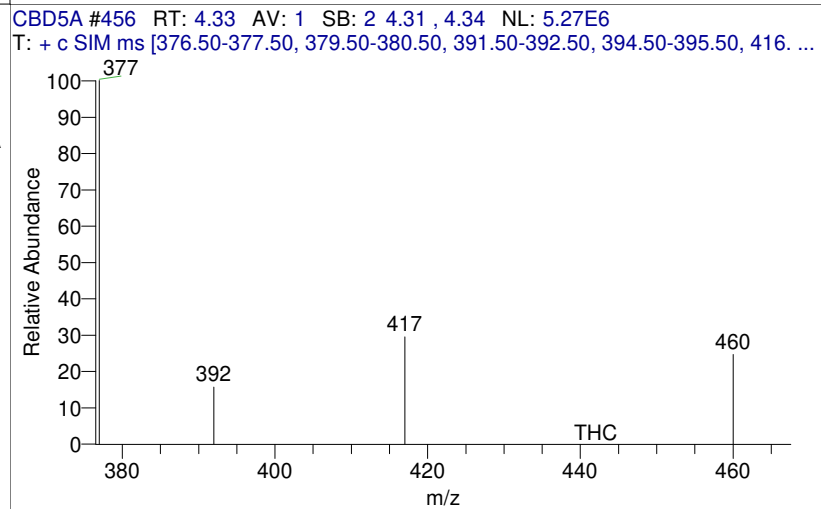
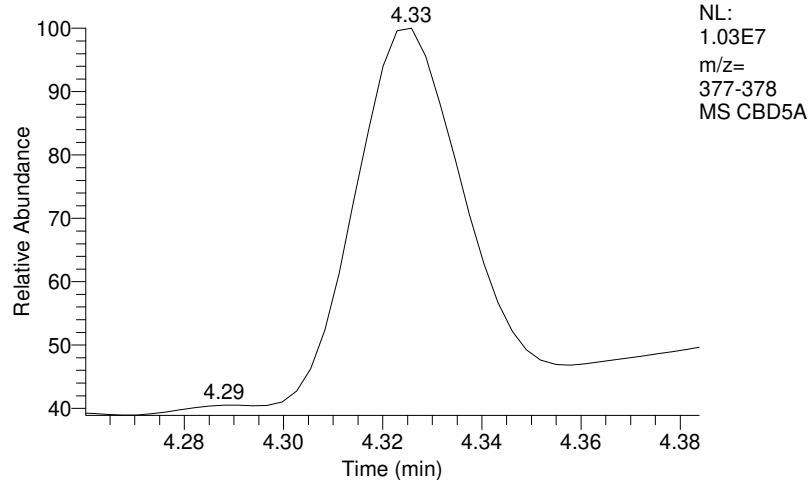
RT: 4.62 - 4.72 SM: 9G



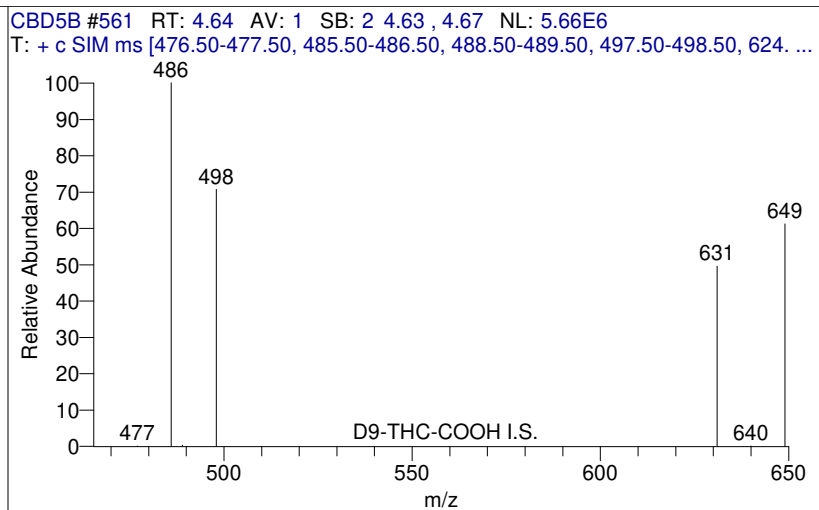
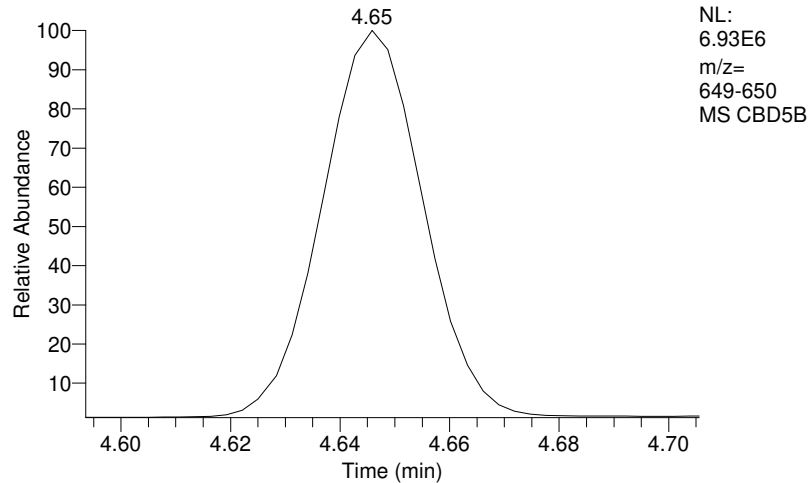
RT: 4.25 - 4.37 SM: 9G



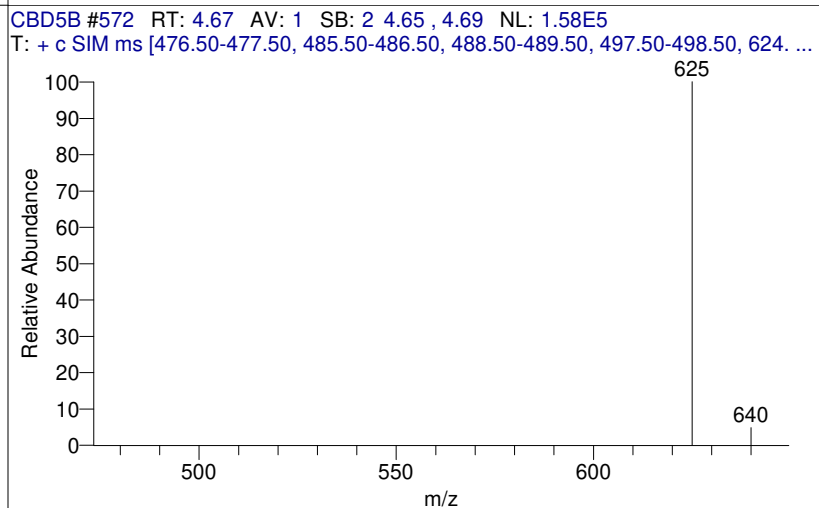
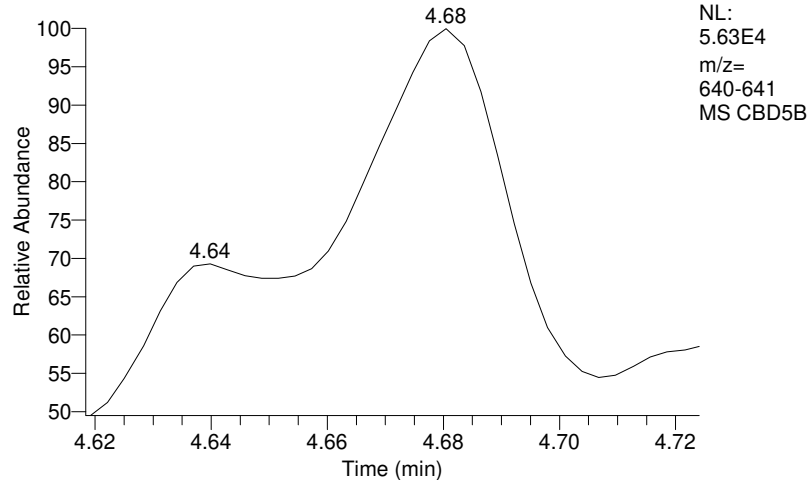
RT: 4.26 - 4.38 SM: 9G



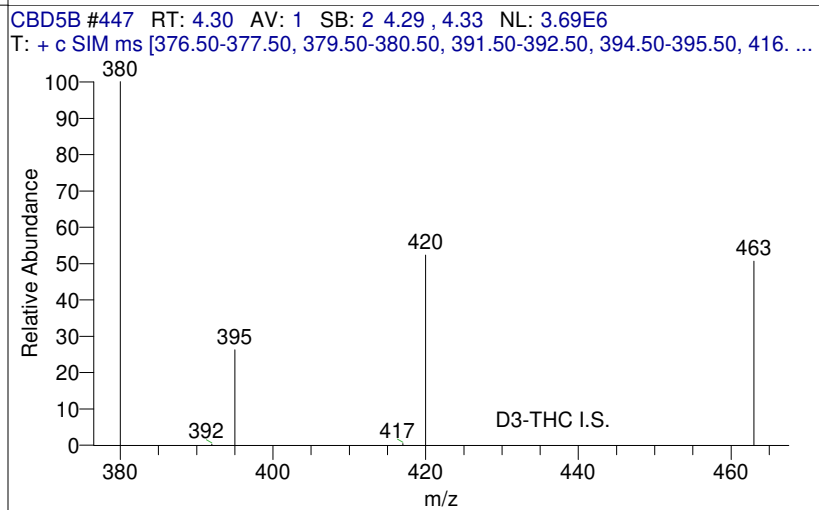
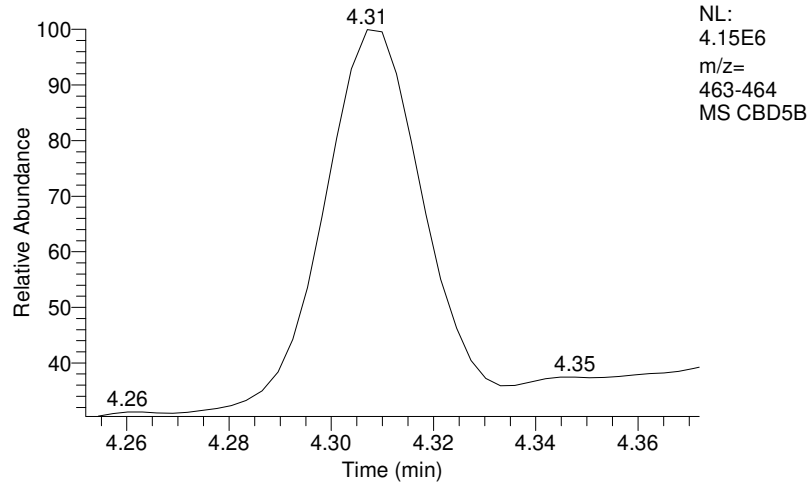
RT: 4.59 - 4.71 SM: 9G



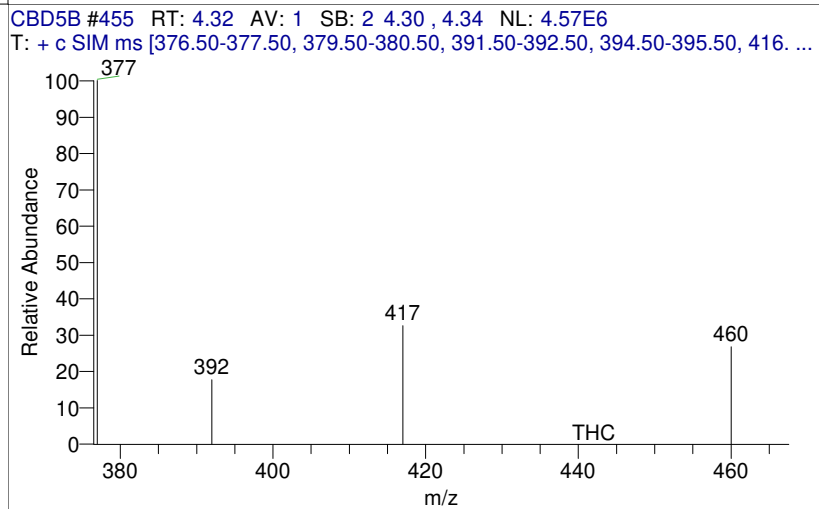
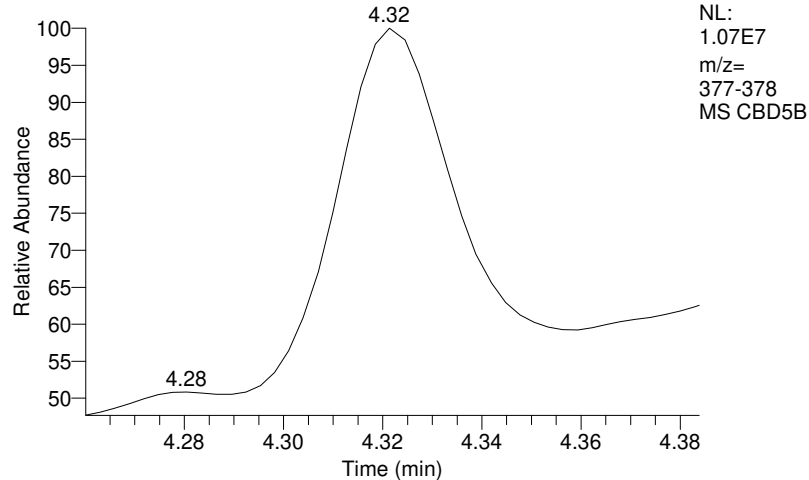
RT: 4.62 - 4.72 SM: 9G



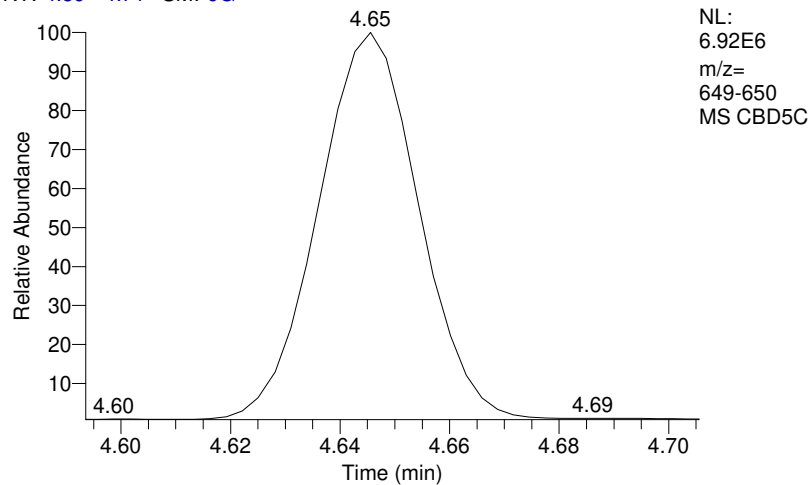
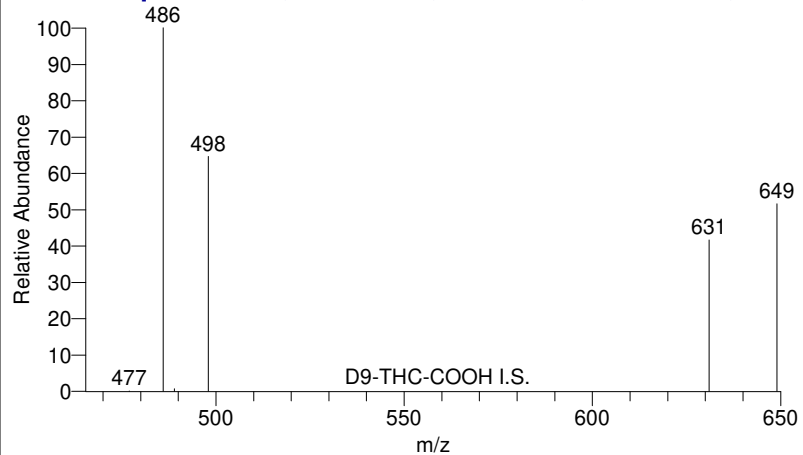
RT: 4.25 - 4.37 SM: 9G



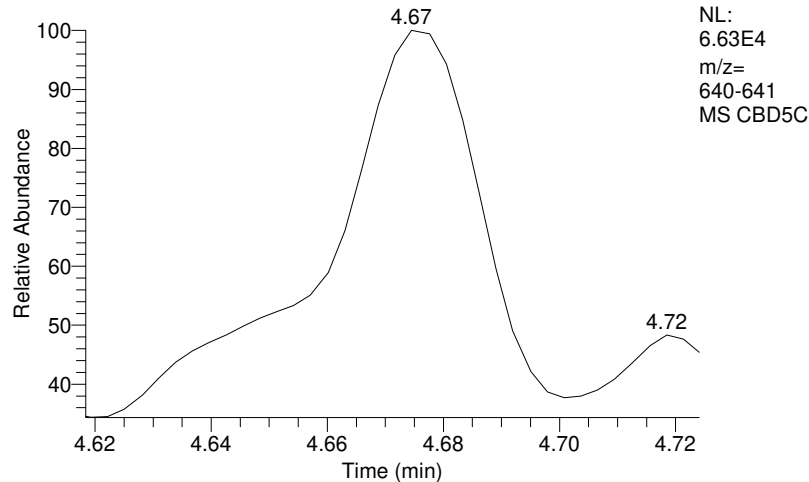
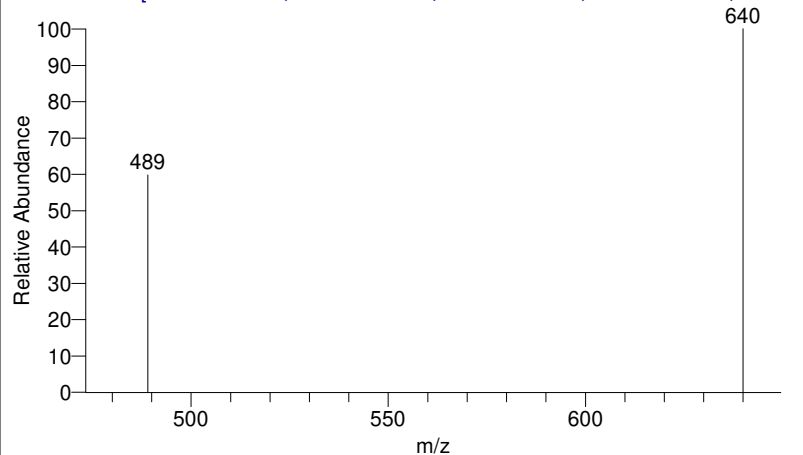
RT: 4.26 - 4.38 SM: 9G



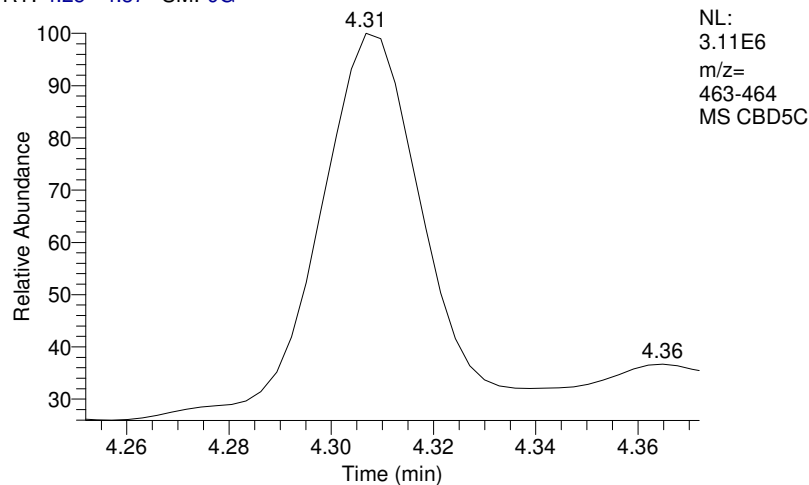
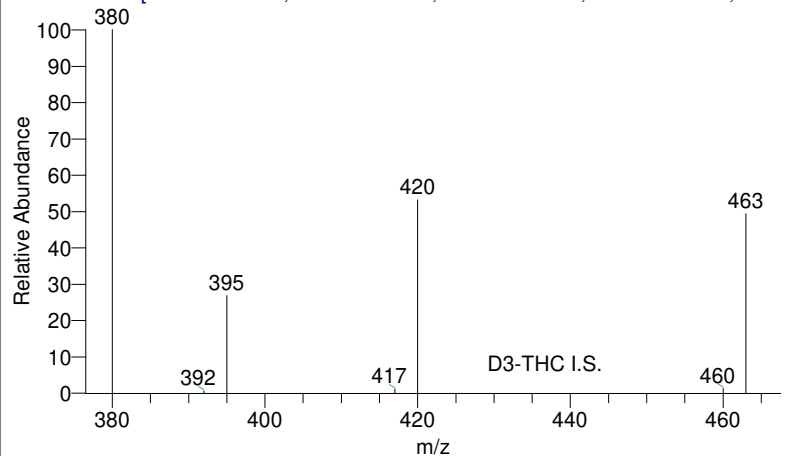
RT: 4.59 - 4.71 SM: 9G

CBD5C #561 RT: 4.64 AV: 1 SB: 2 4.63 , 4.67 NL: 6.50E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

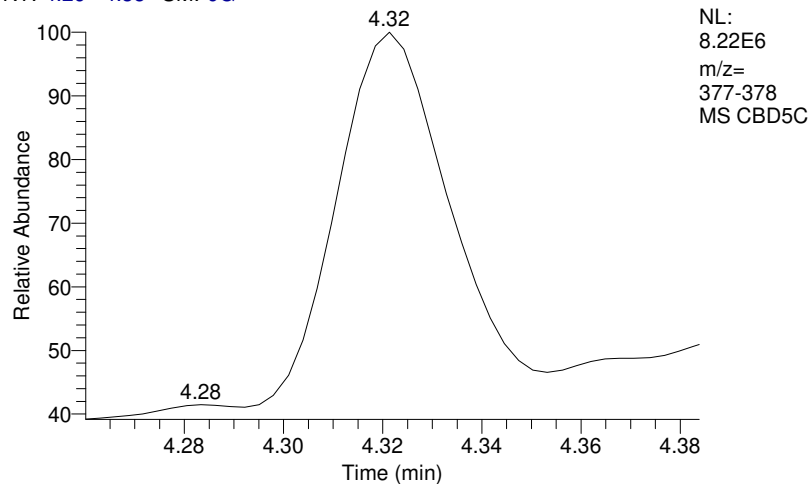
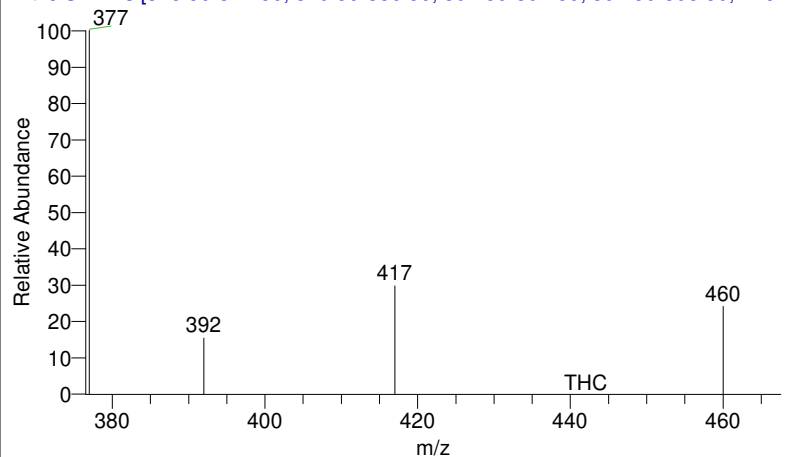
RT: 4.62 - 4.72 SM: 9G

CBD5C #577 RT: 4.68 AV: 1 SB: 2 4.65 , 4.69 NL: 2.85E4  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

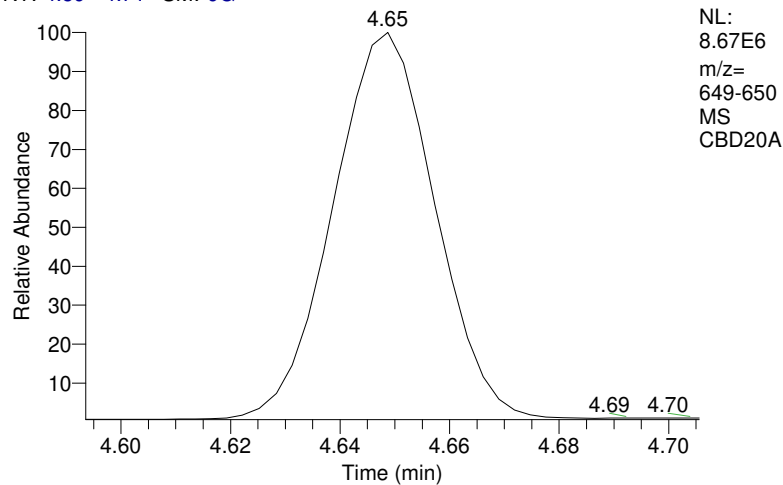
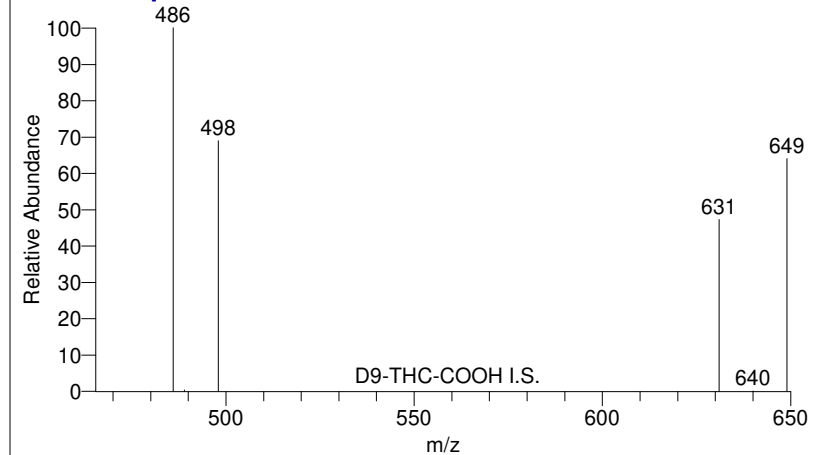
RT: 4.25 - 4.37 SM: 9G

CBD5C #447 RT: 4.30 AV: 1 SB: 2 4.30 , 4.33 NL: 2.73E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

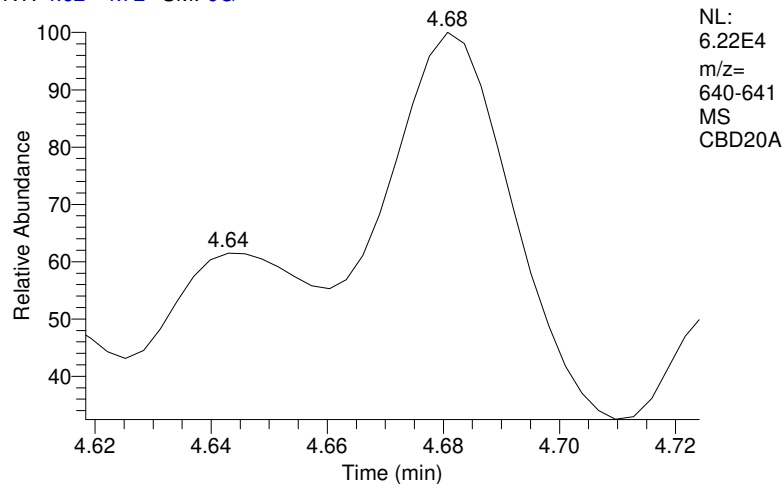
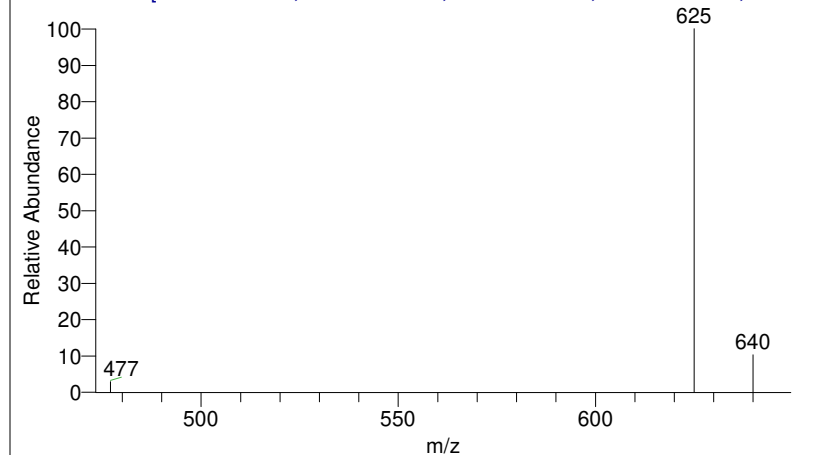
RT: 4.26 - 4.38 SM: 9G

CBD5C #455 RT: 4.32 AV: 1 SB: 2 4.30 , 4.34 NL: 4.44E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

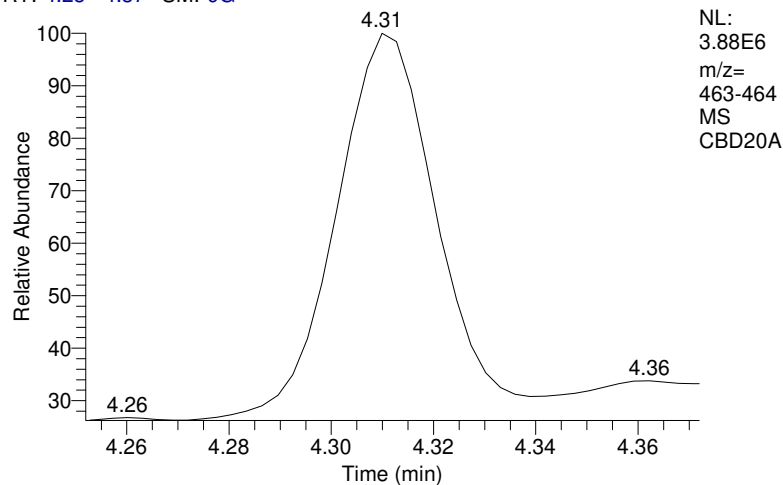
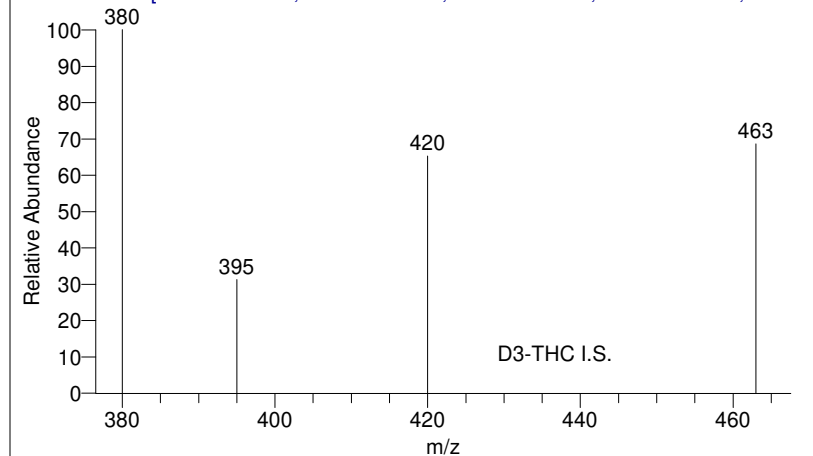
RT: 4.59 - 4.71 SM: 9G

CBD20A #561 RT: 4.64 AV: 1 SB: 2 4.63 , 4.67 NL: 4.43E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

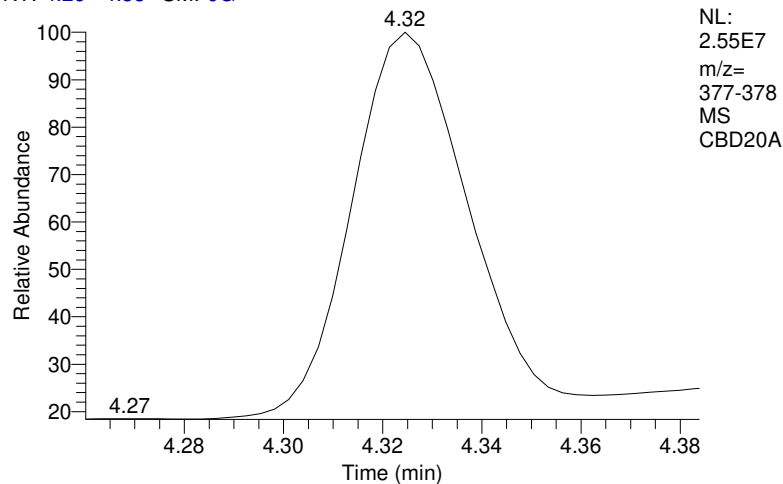
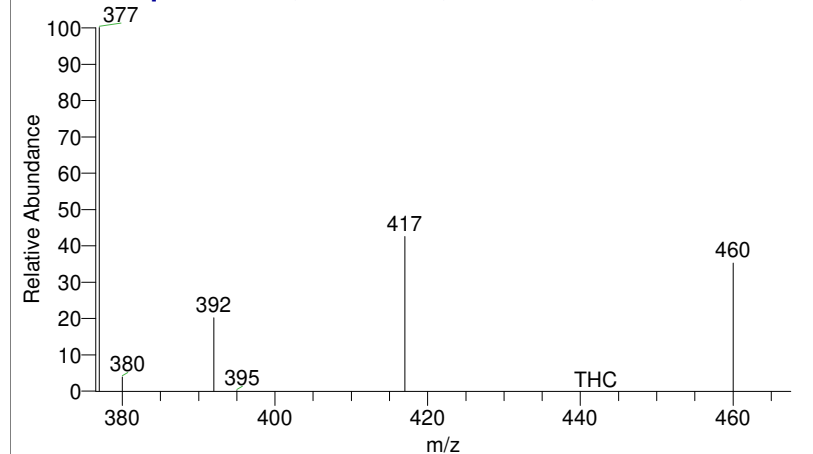
RT: 4.62 - 4.72 SM: 9G

CBD20A #574 RT: 4.67 AV: 1 SB: 2 4.65 , 4.69 NL: 1.25E5  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

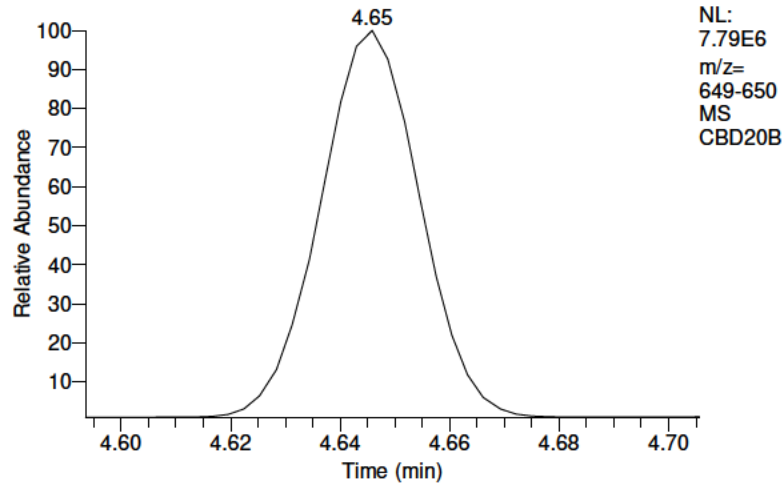
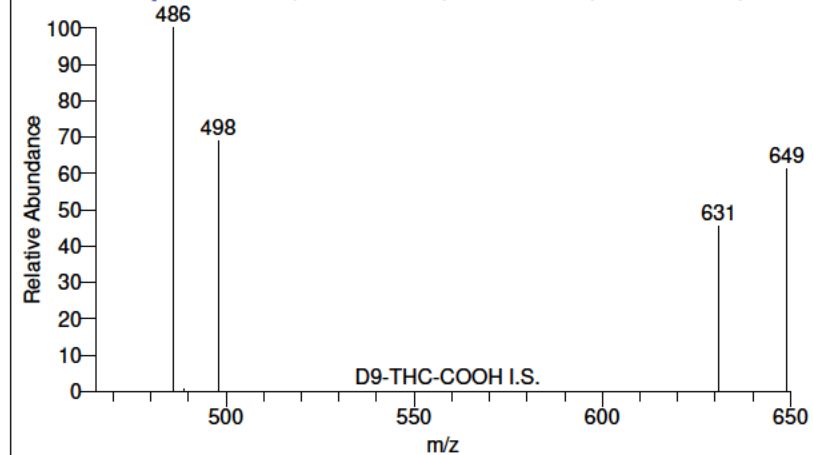
RT: 4.25 - 4.37 SM: 9G

CBD20A #447 RT: 4.30 AV: 1 SB: 2 4.29 , 4.33 NL: 1.78E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

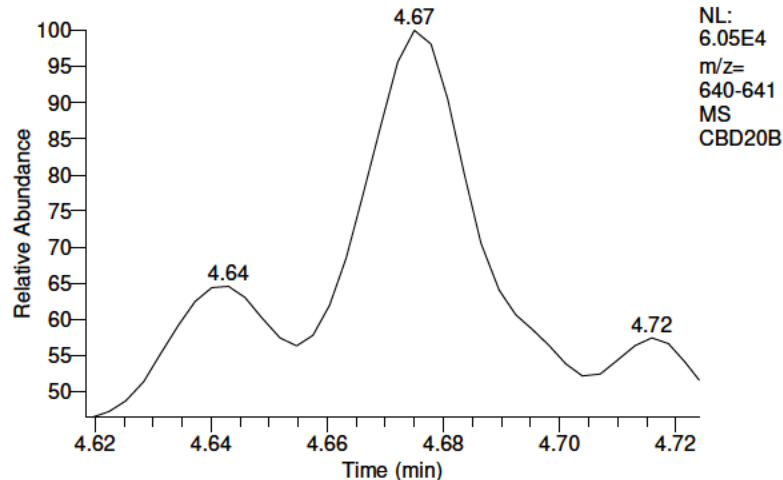
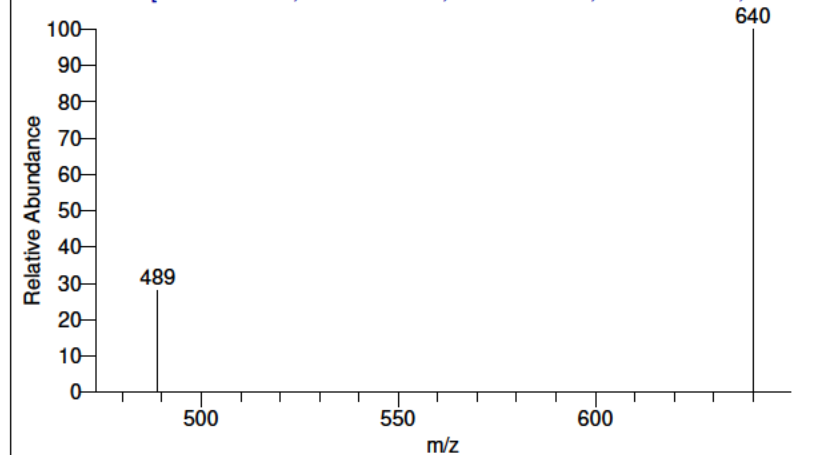
RT: 4.26 - 4.38 SM: 9G

CBD20A #455 RT: 4.32 AV: 1 SB: 2 4.30 , 4.34 NL: 2.03E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

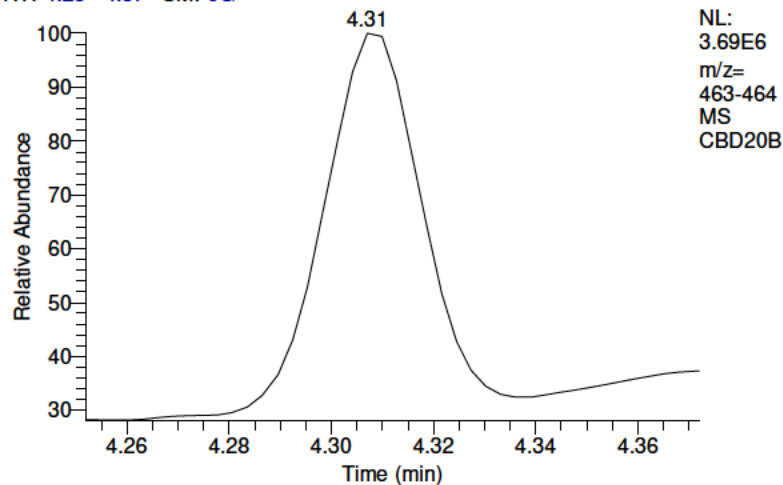
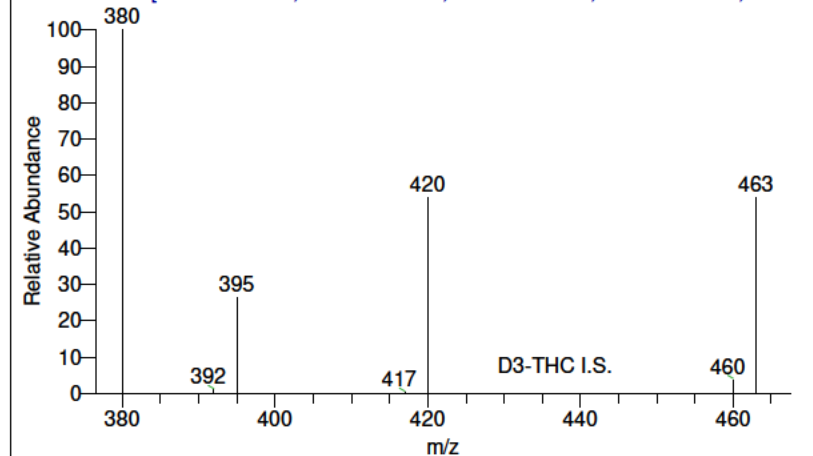
RT: 4.59 - 4.71 SM: 9G

CBD20B #561 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 7.04E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

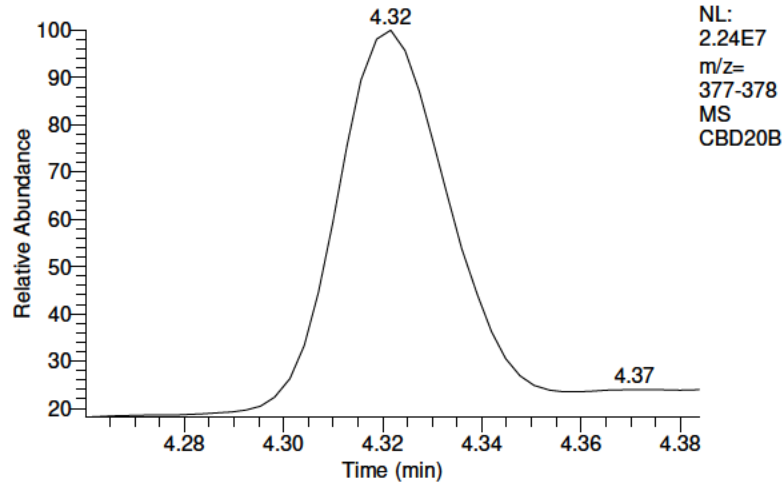
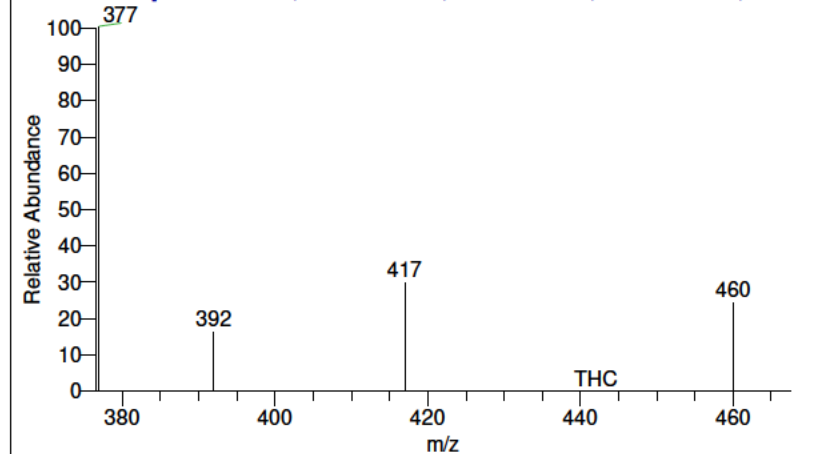
RT: 4.62 - 4.72 SM: 9G

CBD20B #577-578 RT: 4.68-4.69 AV: 2 SB: 2 4.65, 4.69 NL: 9.88E3  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

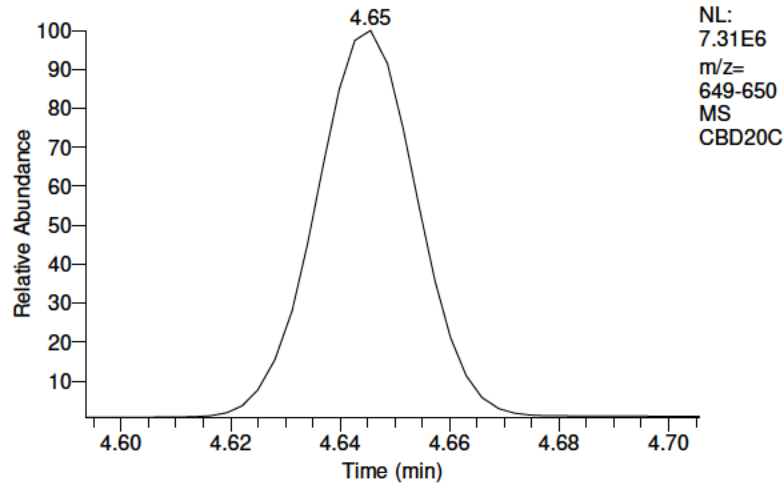
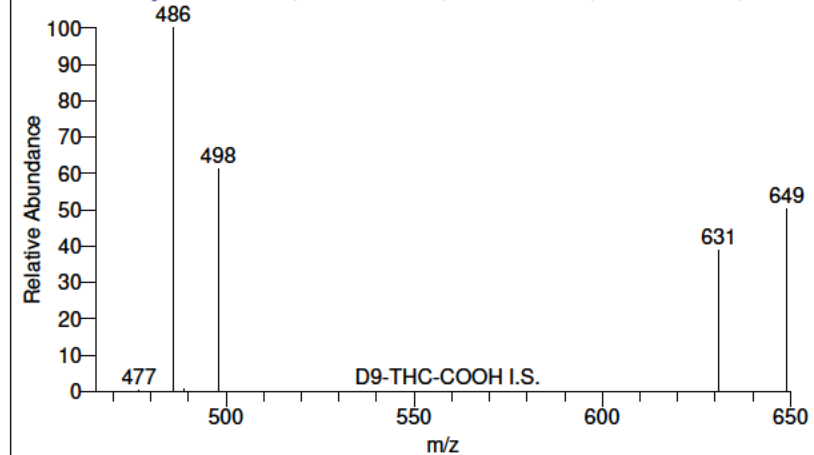
RT: 4.25 - 4.37 SM: 9G

CBD20B #447 RT: 4.30 AV: 1 SB: 2 4.29, 4.33 NL: 3.25E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

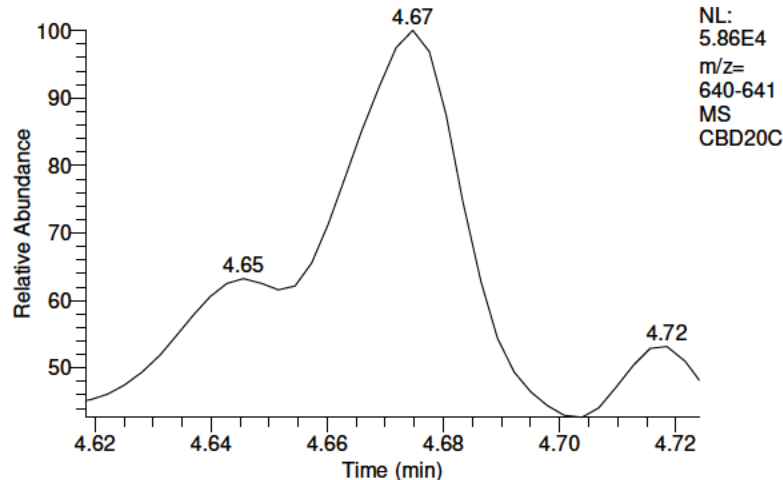
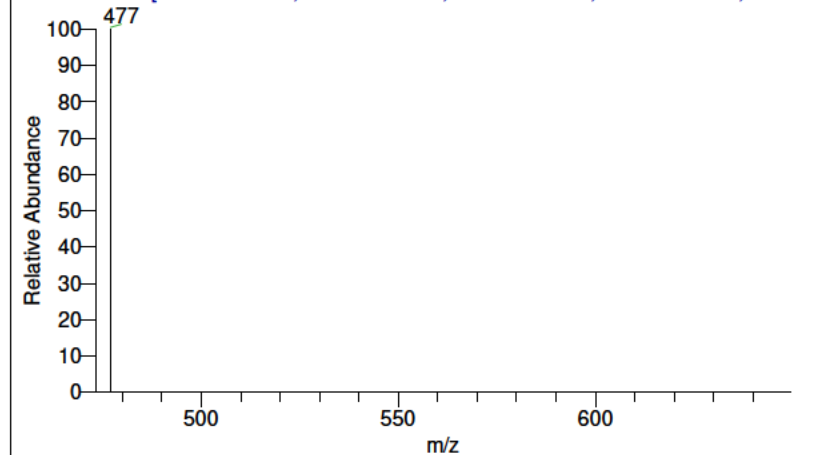
RT: 4.26 - 4.38 SM: 9G

CBD20B #455 RT: 4.32 AV: 1 SB: 2 4.30, 4.34 NL: 1.63E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

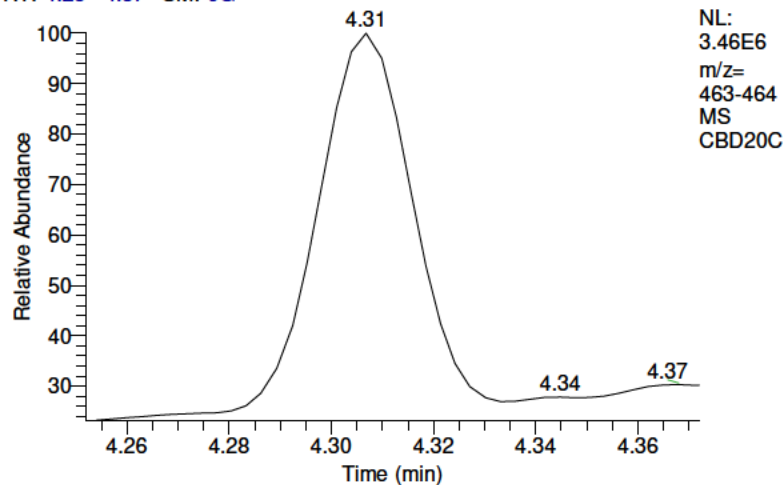
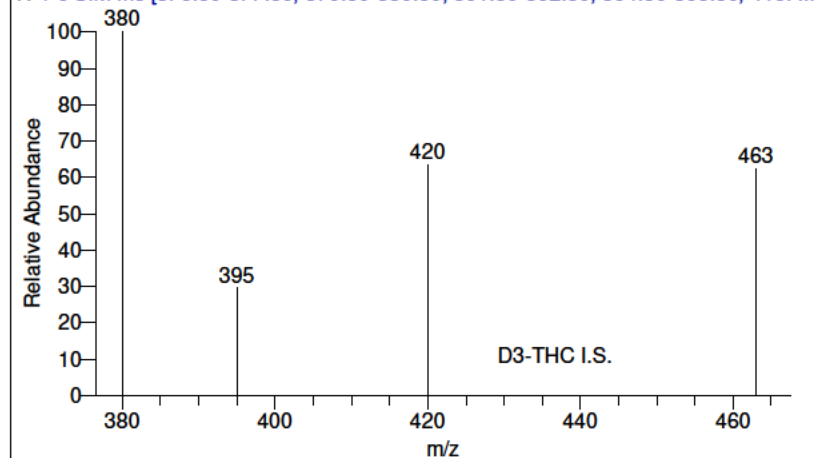
RT: 4.59 - 4.71 SM: 9G

CBD20C #561 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 8.08E6  
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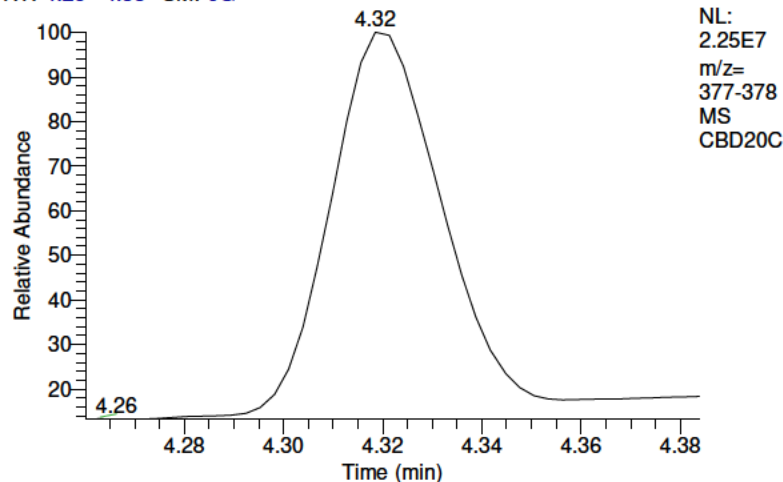
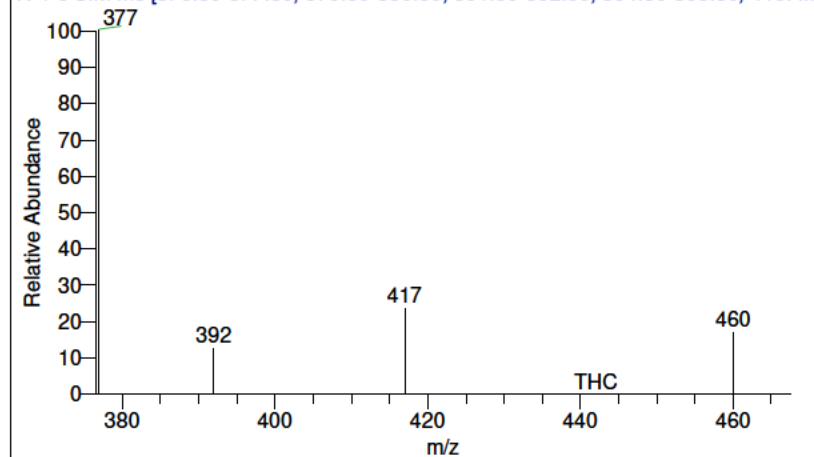
RT: 4.62 - 4.72 SM: 9G

CBD20C #578 RT: 4.69 AV: 1 SB: 2 4.65, 4.69 NL: 2.01E4  
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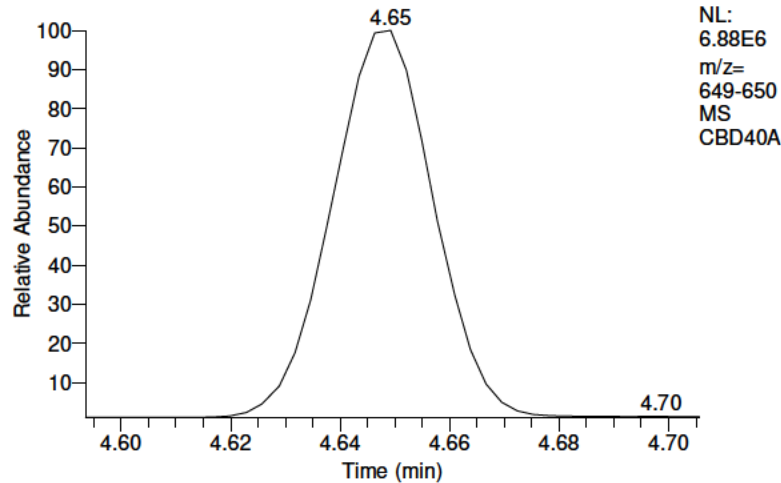
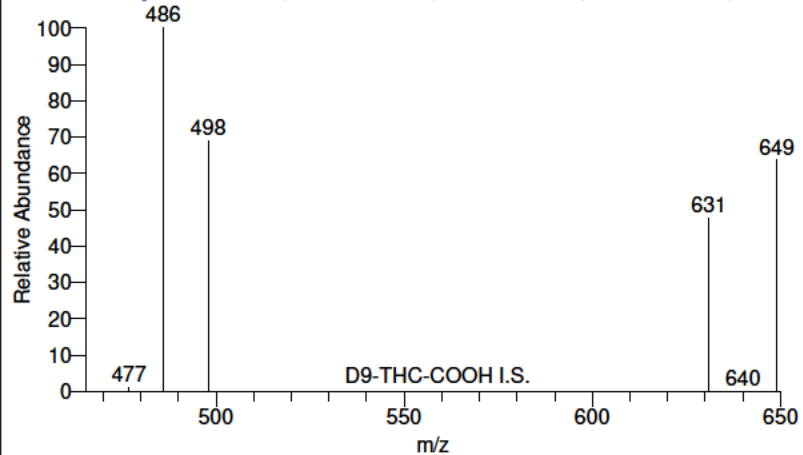
RT: 4.25 - 4.37 SM: 9G

CBD20C #446 RT: 4.30 AV: 1 SB: 2 4.30, 4.33 NL: 1.79E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

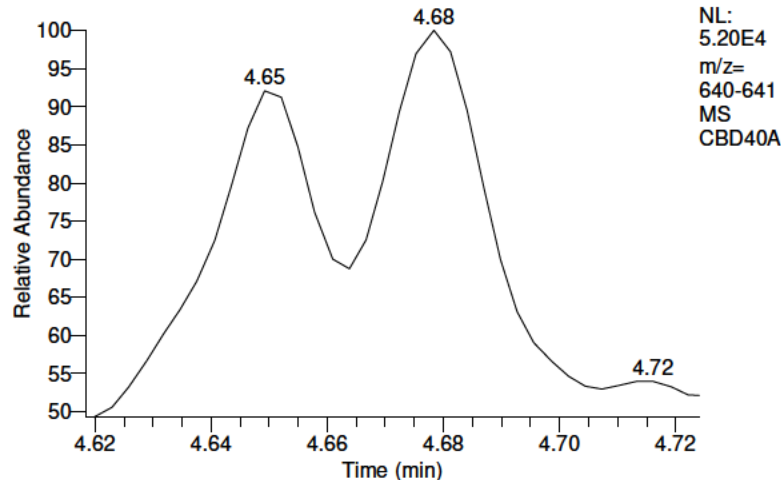
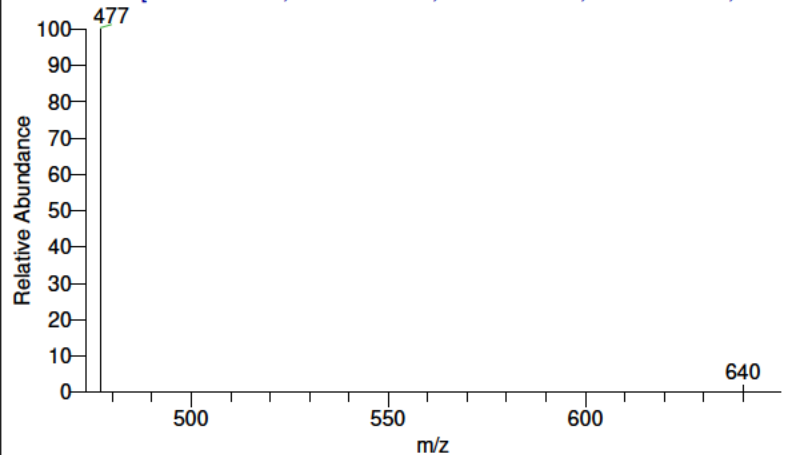
RT: 4.26 - 4.38 SM: 9G

CBD20C #455 RT: 4.32 AV: 1 SB: 2 4.30, 4.34 NL: 1.63E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

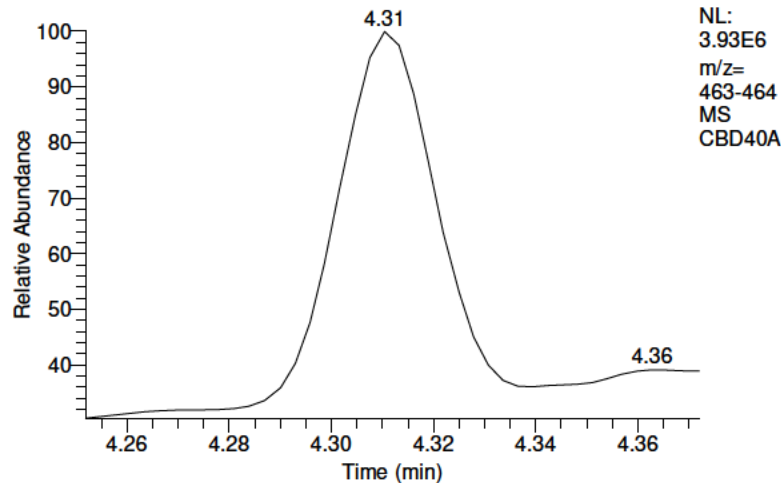
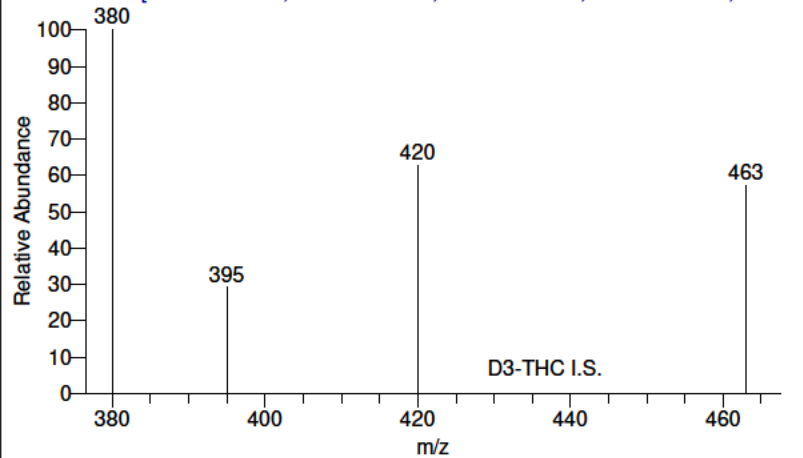
RT: 4.59 - 4.71 SM: 9G

CBD40A #561 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 4.17E6  
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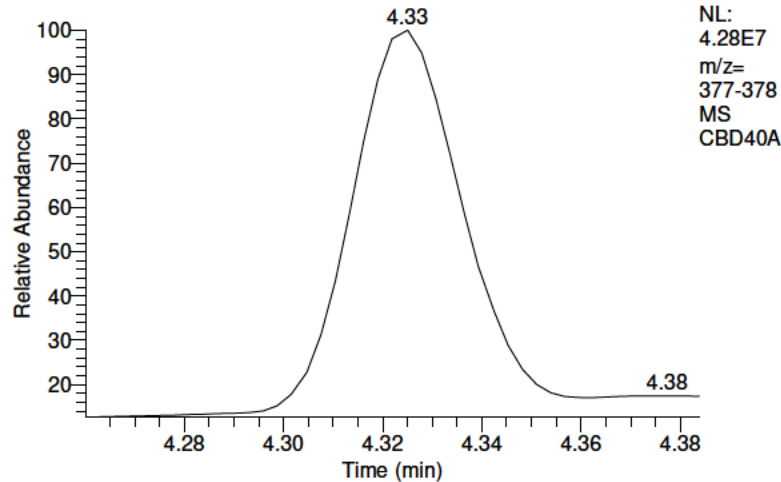
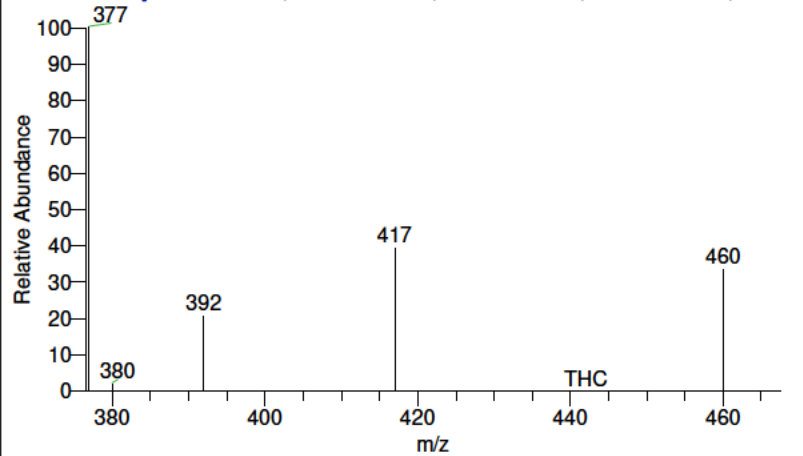
RT: 4.62 - 4.72 SM: 9G

CBD40A #577-578 RT: 4.68-4.69 AV: 2 SB: 2 4.65, 4.69 NL: 5.38E4  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

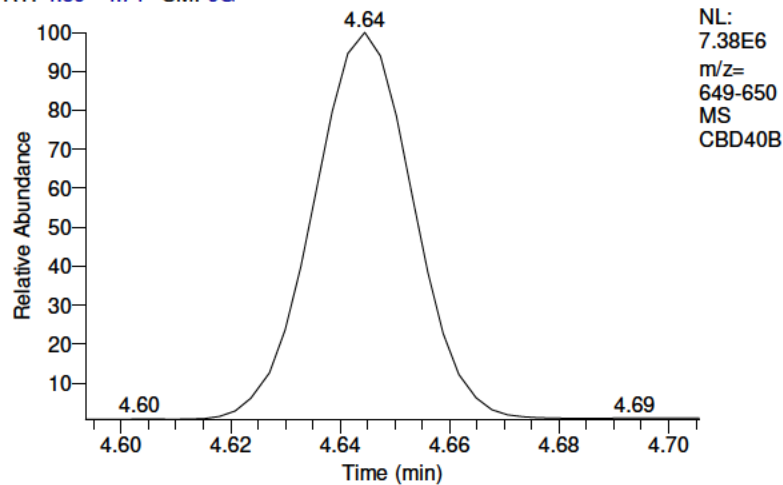
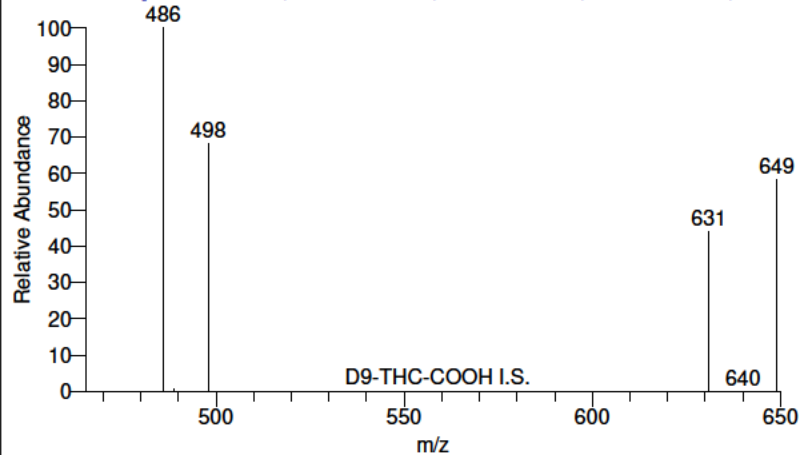
CBD40A #448 RT: 4.30 AV: 1 SB: 2 4.29, 4.33 NL: 3.64E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

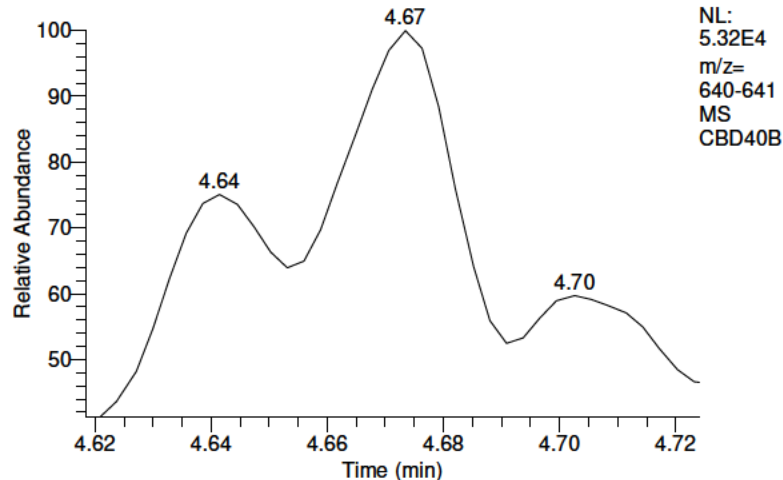
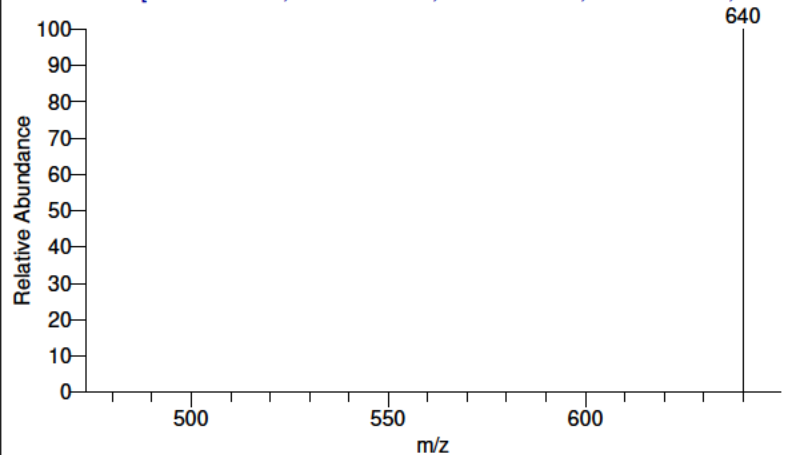
CBD40A #455 RT: 4.33 AV: 1 SB: 2 4.30, 4.35 NL: 3.88E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...



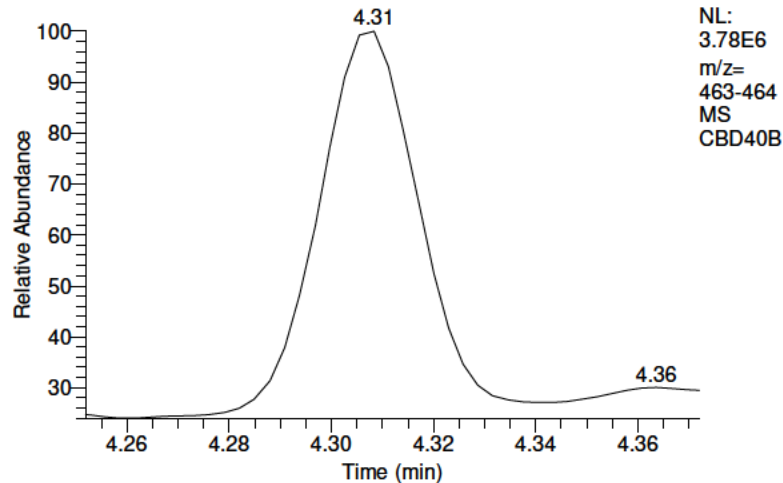
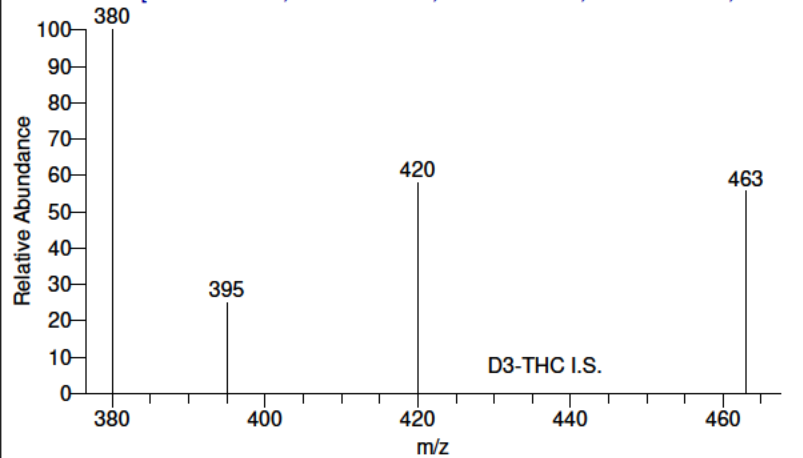
RT: 4.59 - 4.71 SM: 9G

CBD40B #560 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 6.15E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

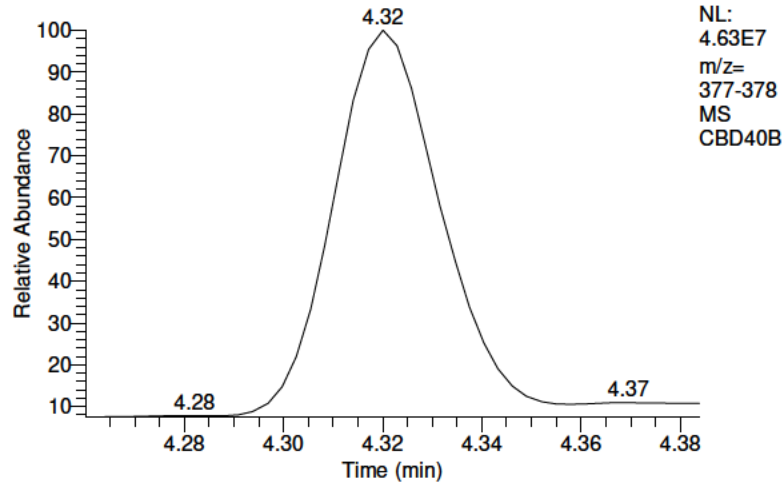
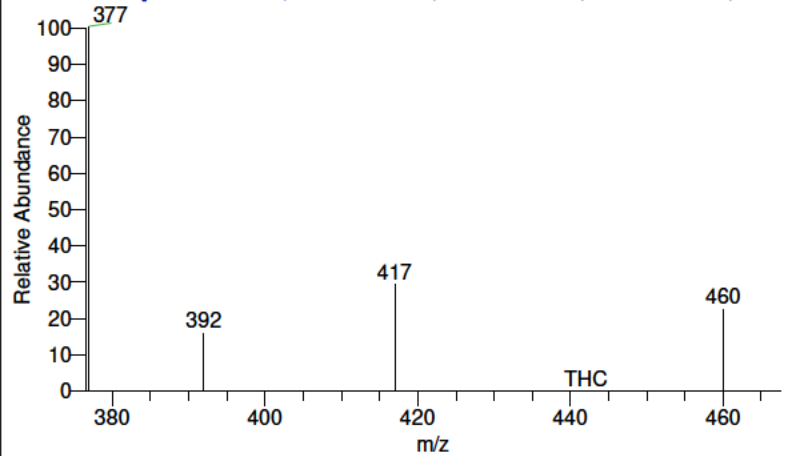
RT: 4.62 - 4.72 SM: 9G

CBD40B #577 RT: 4.69 AV: 1 SB: 2 4.65, 4.69 NL: 3.78E3  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

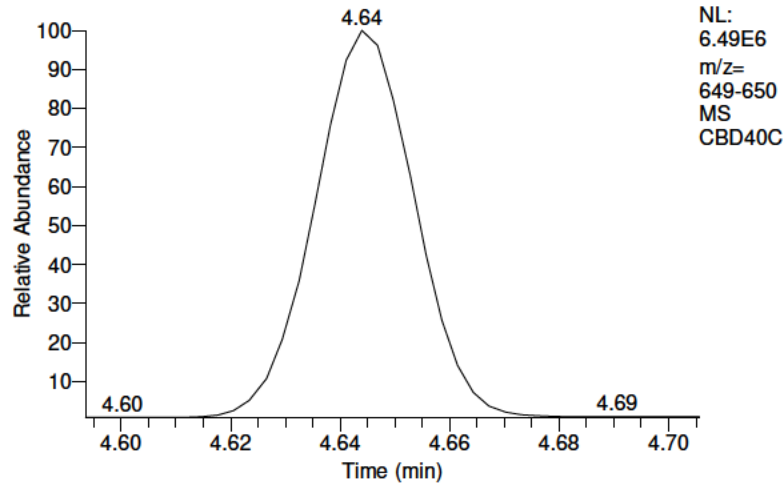
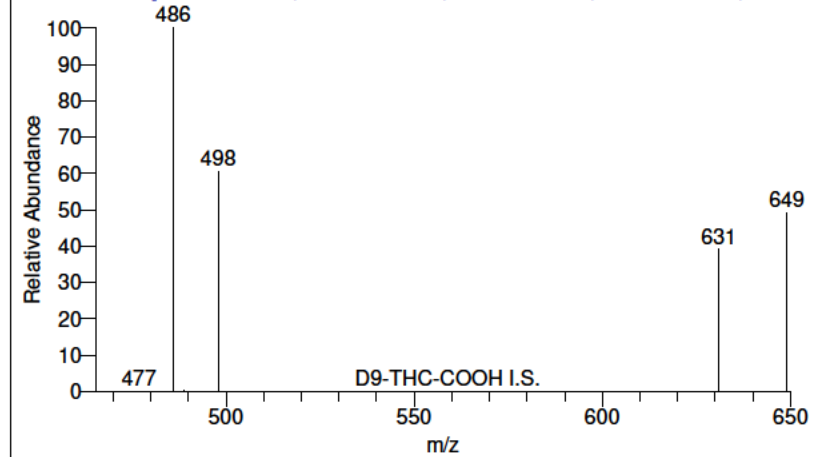
RT: 4.25 - 4.37 SM: 9G

CBD40B #446 RT: 4.30 AV: 1 SB: 2 4.29, 4.33 NL: 3.03E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

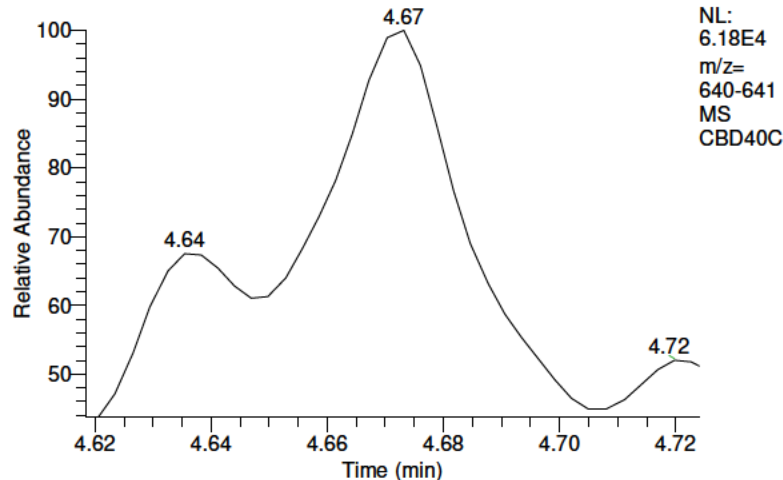
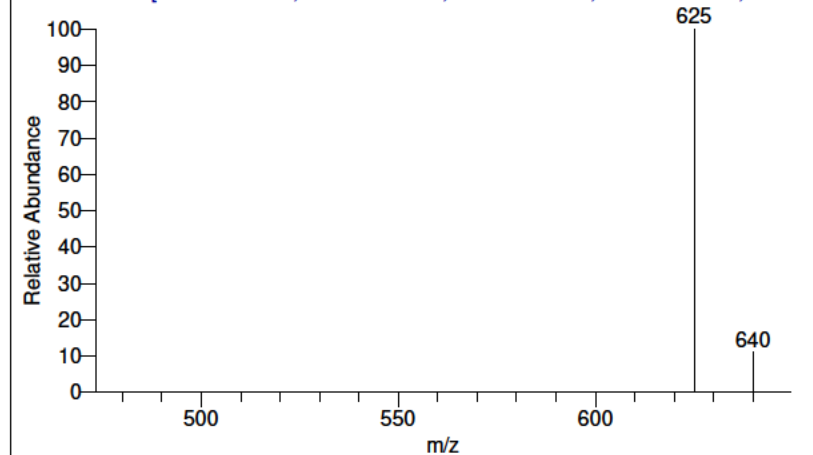
RT: 4.26 - 4.38 SM: 9G

CBD40B #454 RT: 4.32 AV: 1 SB: 2 4.31, 4.34 NL: 3.94E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

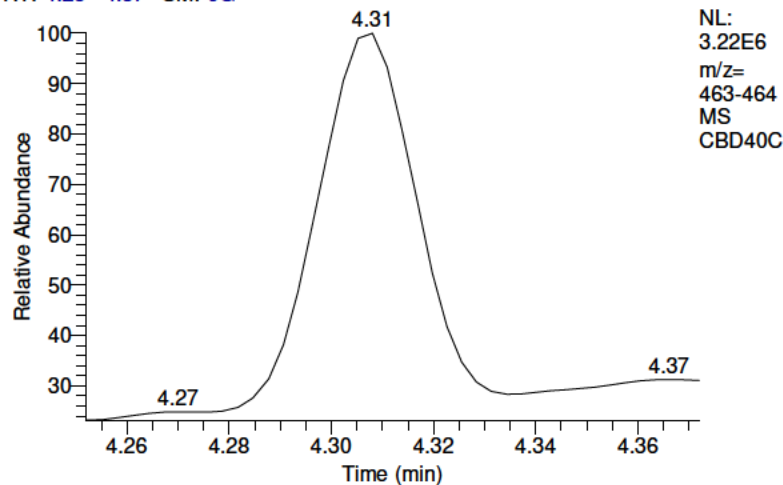
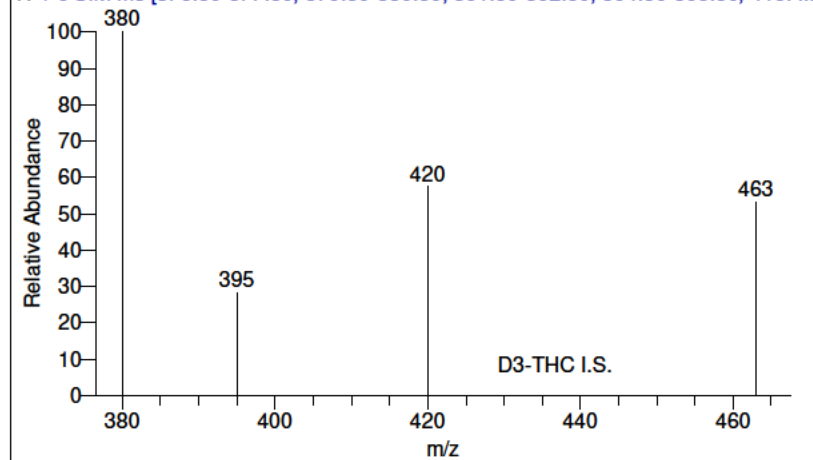
RT: 4.59 - 4.71 SM: 9G

CBD40C #561 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 9.83E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

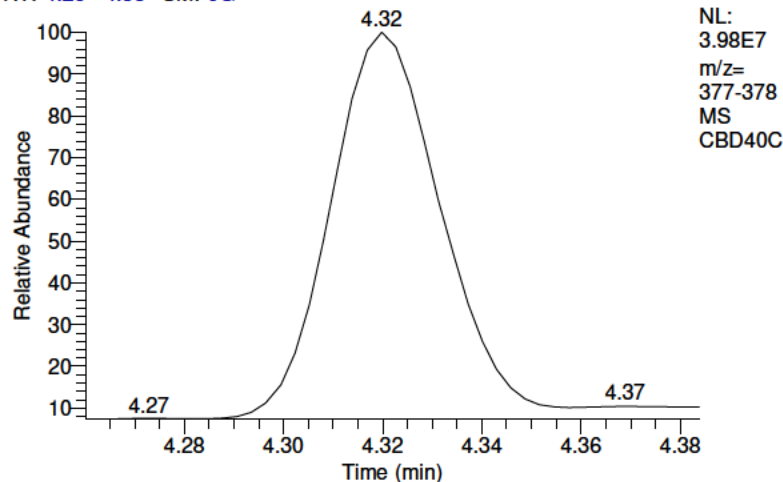
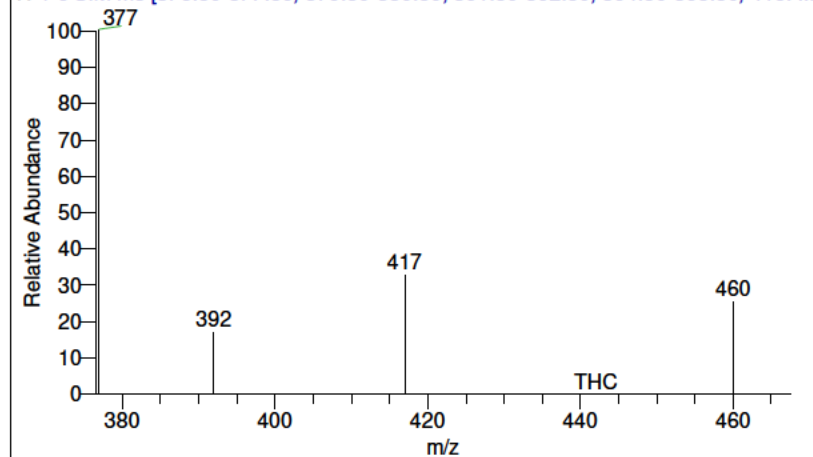
RT: 4.62 - 4.72 SM: 9G

CBD40C #570 RT: 4.66 AV: 1 SB: 2 4.65, 4.69 NL: 1.06E5  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

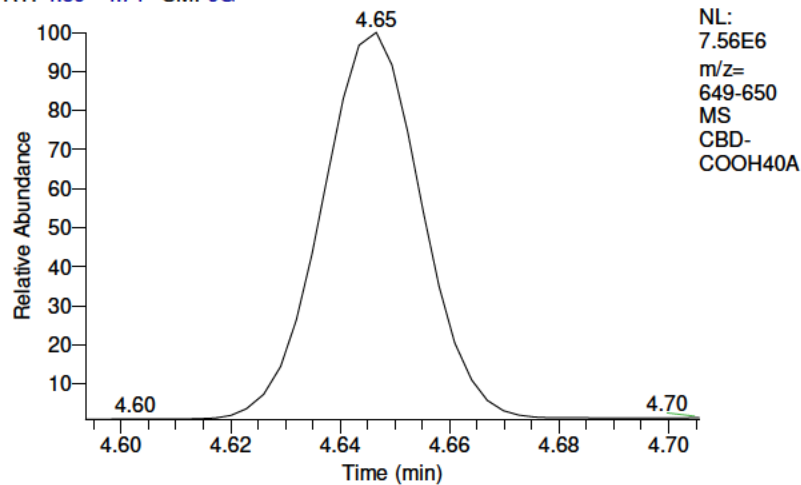
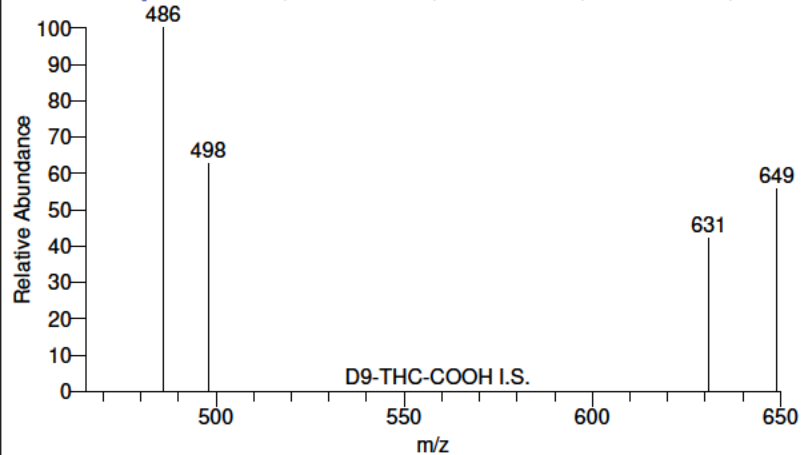
RT: 4.25 - 4.37 SM: 9G

CBD40C #446 RT: 4.30 AV: 1 SB: 2 4.29, 4.33 NL: 2.71E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

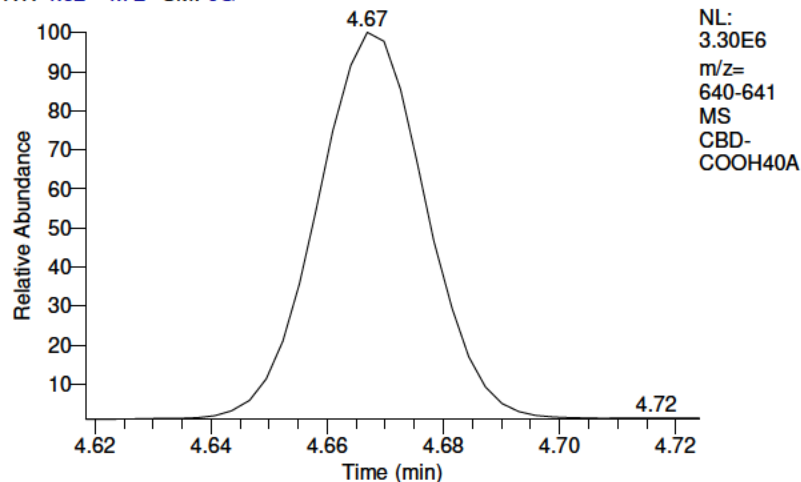
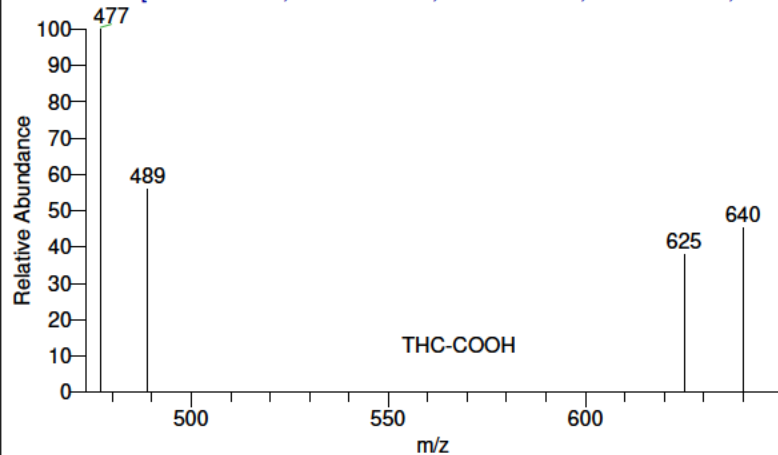
RT: 4.26 - 4.38 SM: 9G

CBD40C #454 RT: 4.32 AV: 1 SB: 2 4.31, 4.34 NL: 3.28E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

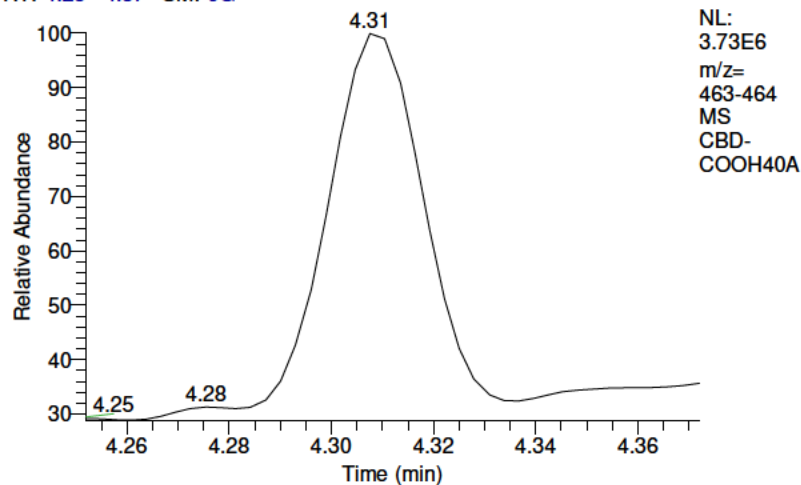
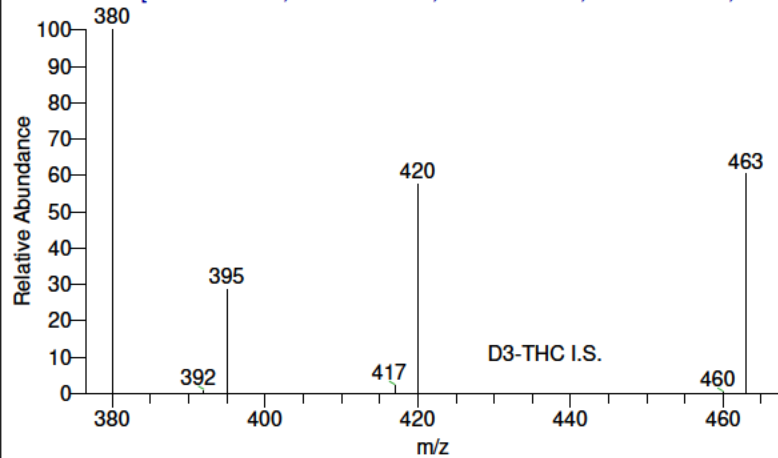
RT: 4.59 - 4.71 SM: 9G

CBD-COOH40A #561 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 7.64E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

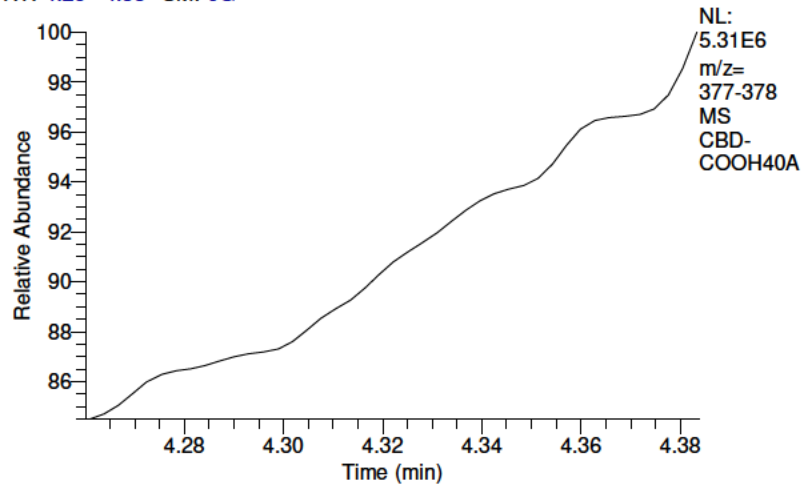
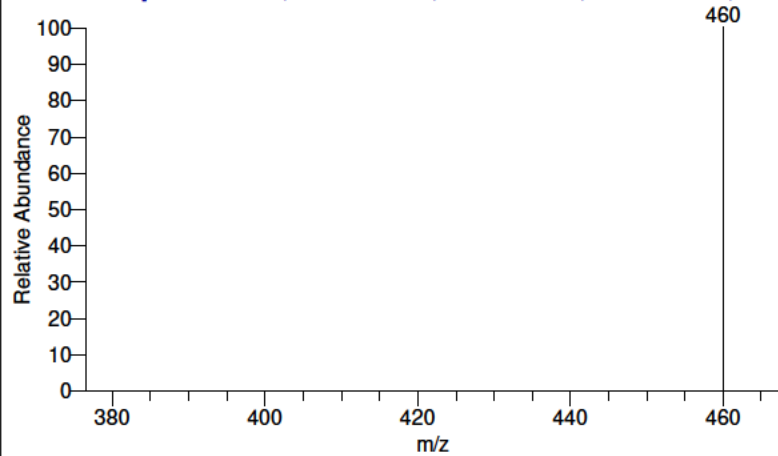
RT: 4.62 - 4.72 SM: 9G

CBD-COOH40A #571 RT: 4.67 AV: 1 SB: 2 4.65, 4.69 NL: 8.05E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

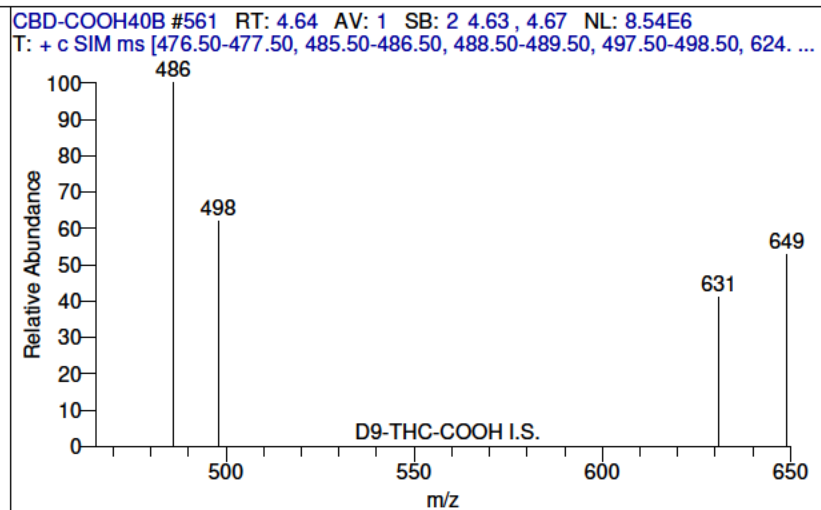
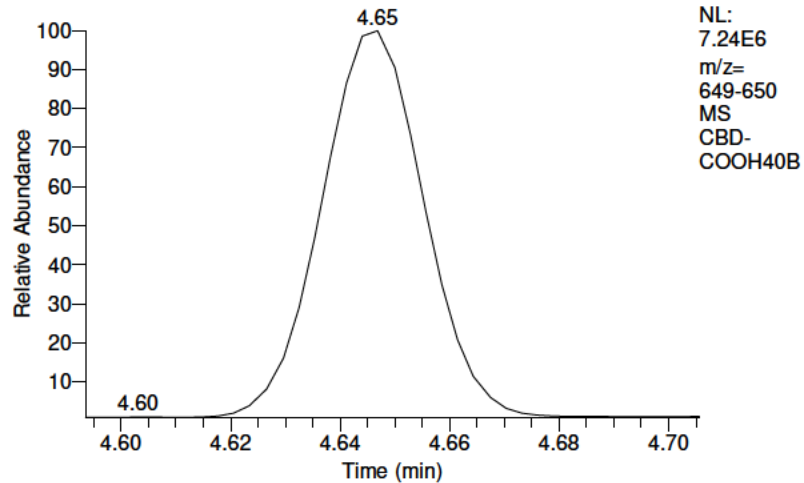
RT: 4.25 - 4.37 SM: 9G

CBD-COOH40A #446 RT: 4.30 AV: 1 SB: 2 4.29, 4.33 NL: 1.78E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

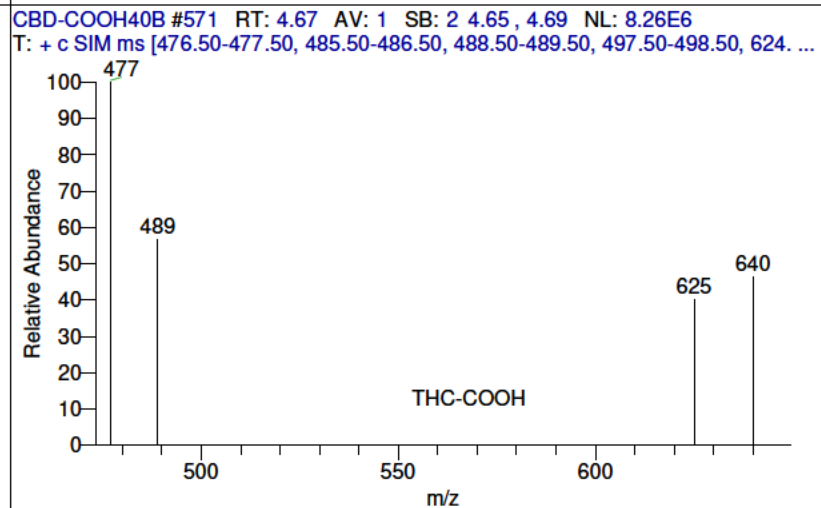
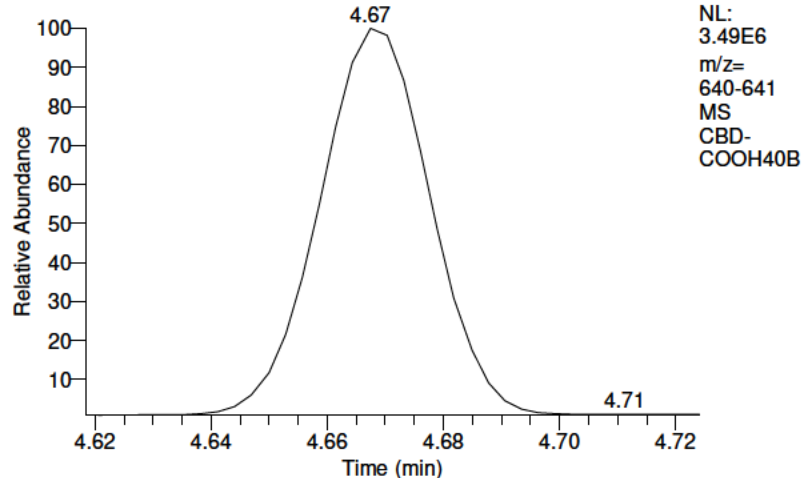
RT: 4.26 - 4.38 SM: 9G

CBD-COOH40A #455 RT: 4.33 AV: 1 SB: 2 4.30, 4.35 NL: 1.07E4  
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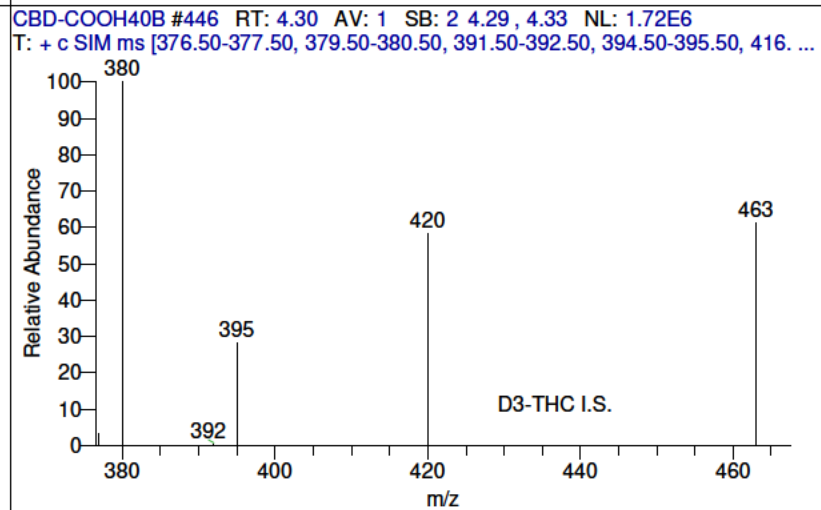
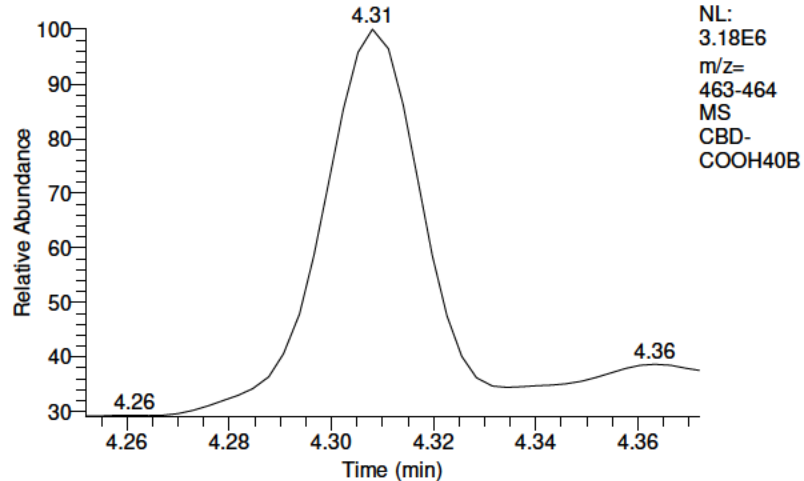
RT: 4.59 - 4.71 SM: 9G



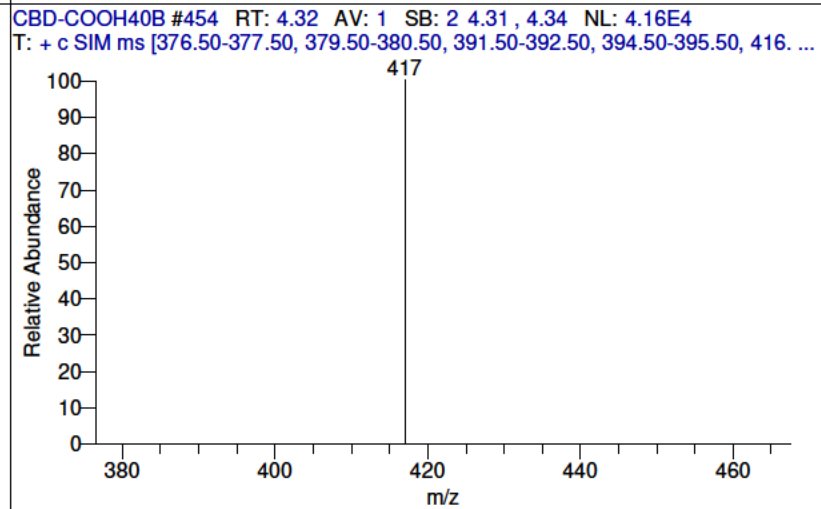
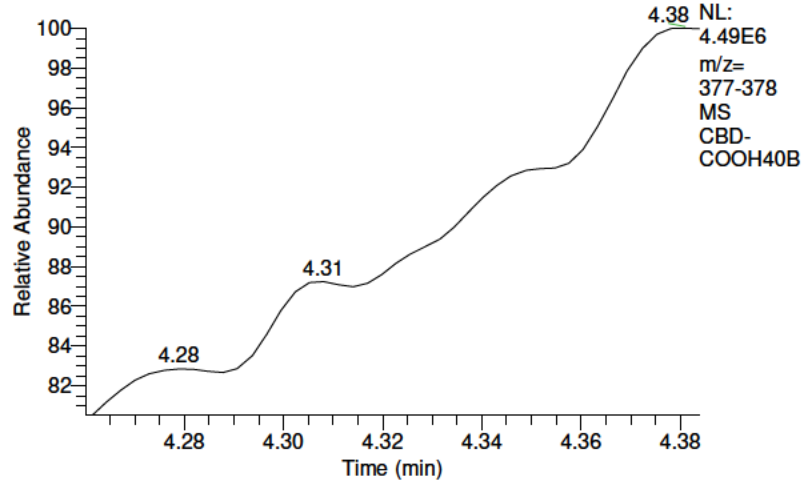
RT: 4.62 - 4.72 SM: 9G



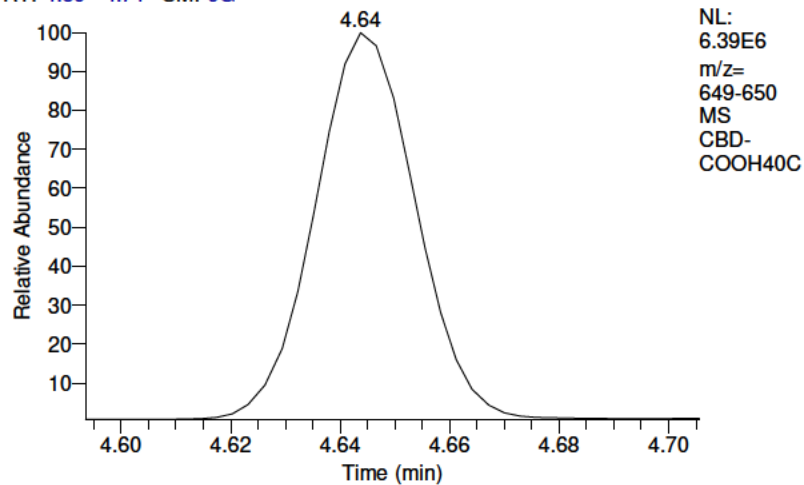
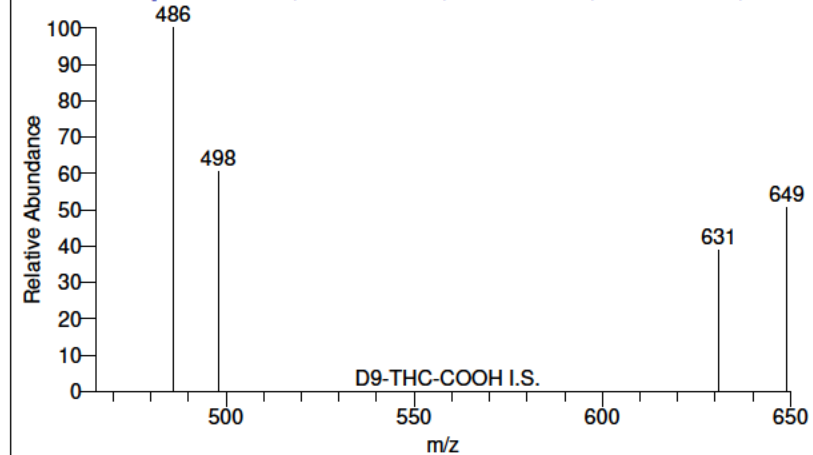
RT: 4.25 - 4.37 SM: 9G



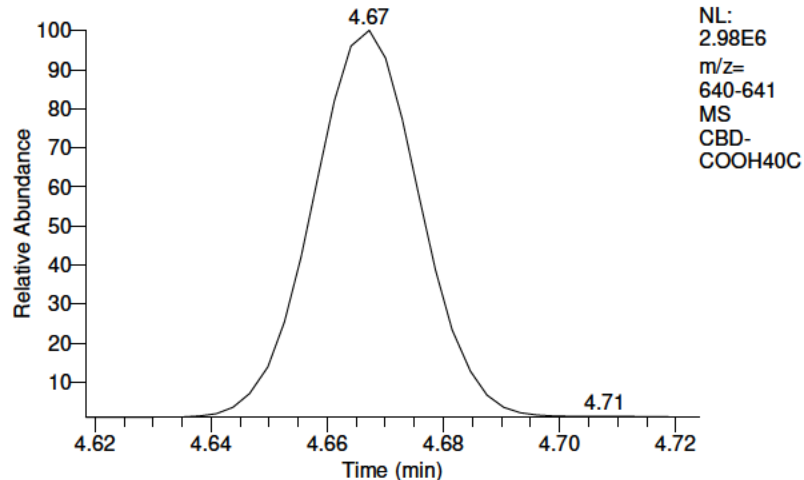
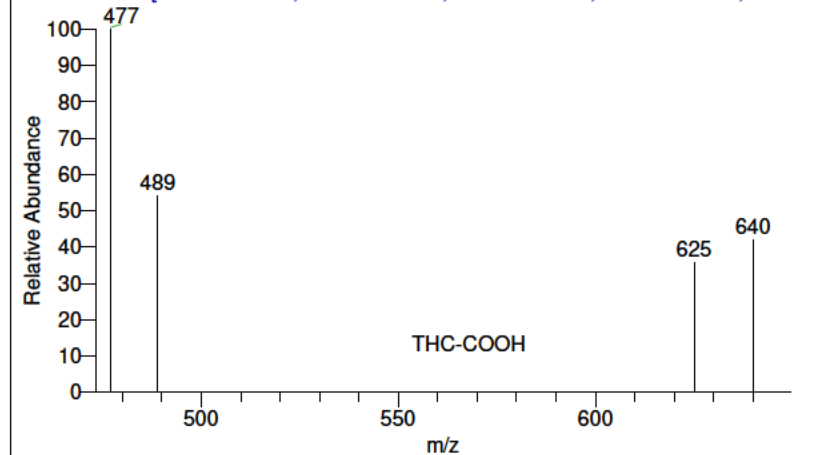
RT: 4.26 - 4.38 SM: 9G



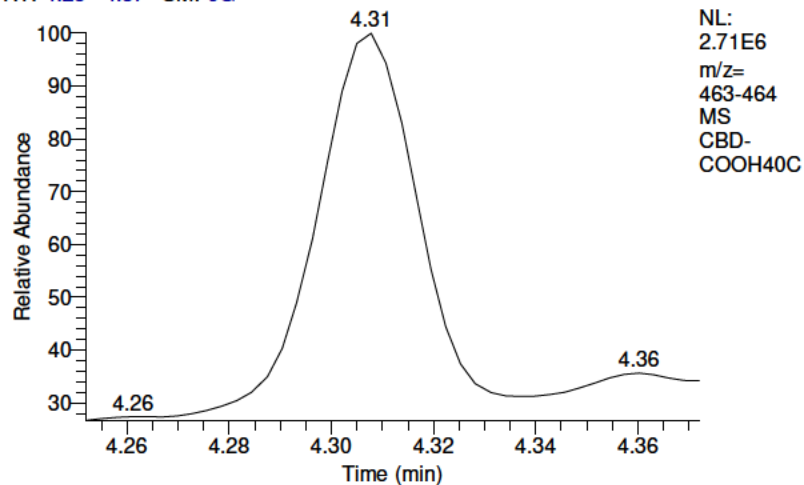
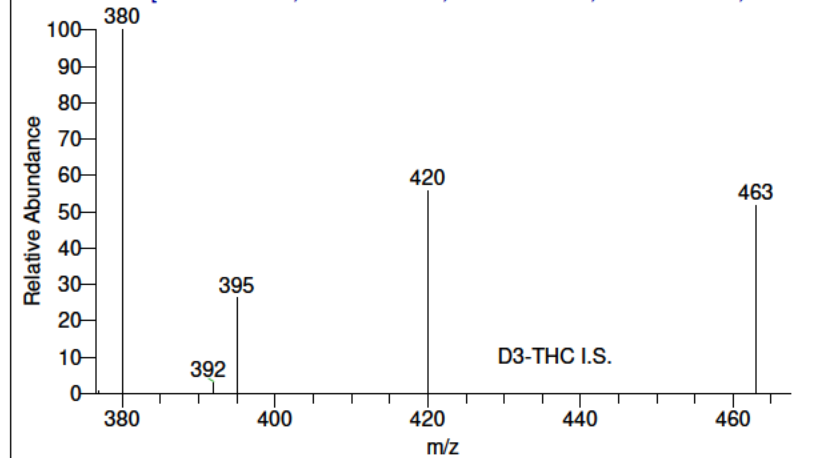
RT: 4.59 - 4.71 SM: 9G

CBD-COOH40C #561 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 9.21E6  
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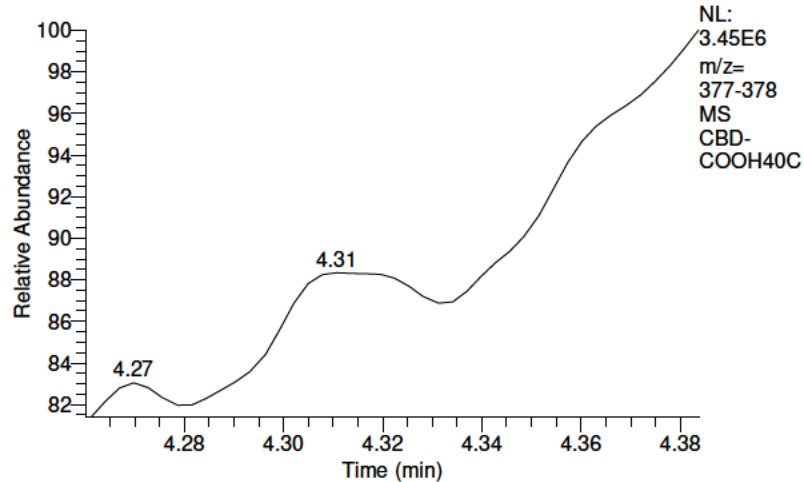
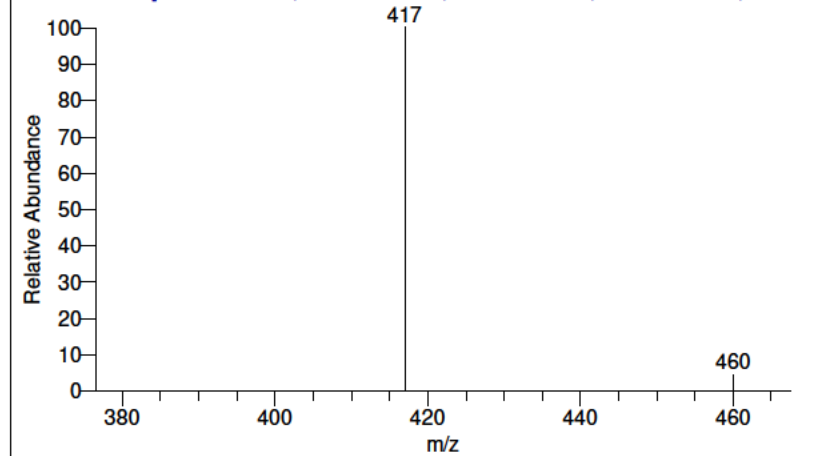
RT: 4.62 - 4.72 SM: 9G

CBD-COOH40C #571 RT: 4.67 AV: 1 SB: 2 4.65, 4.69 NL: 7.83E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

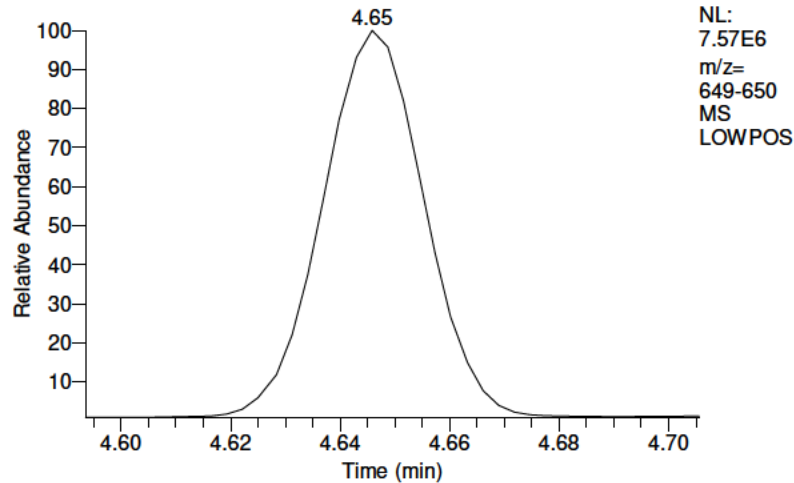
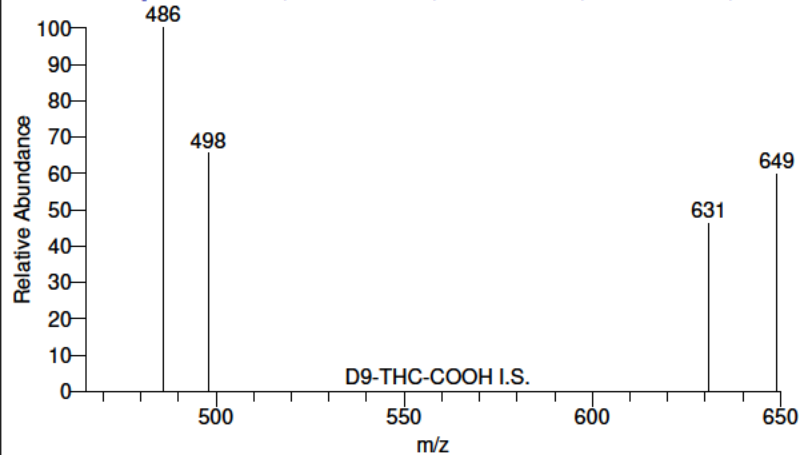
RT: 4.25 - 4.37 SM: 9G

CBD-COOH40C #446 RT: 4.30 AV: 1 SB: 2 4.29, 4.33 NL: 1.98E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

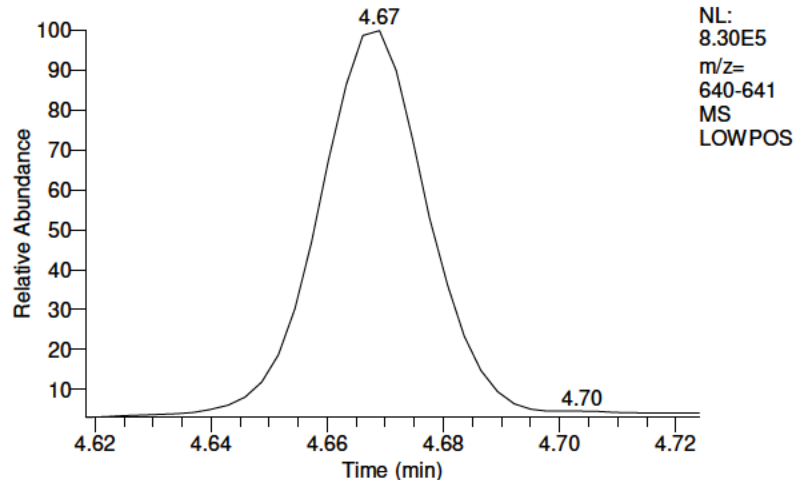
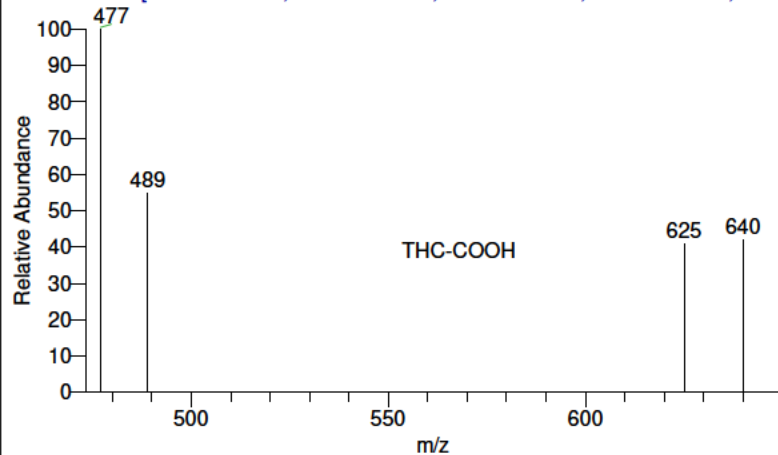
RT: 4.26 - 4.38 SM: 9G

CBD-COOH40C #455 RT: 4.33 AV: 1 SB: 2 4.30, 4.35 NL: 4.39E4  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

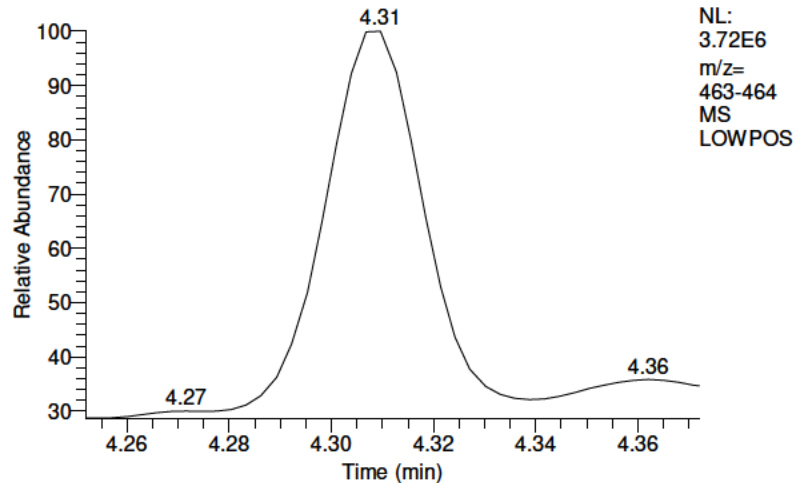
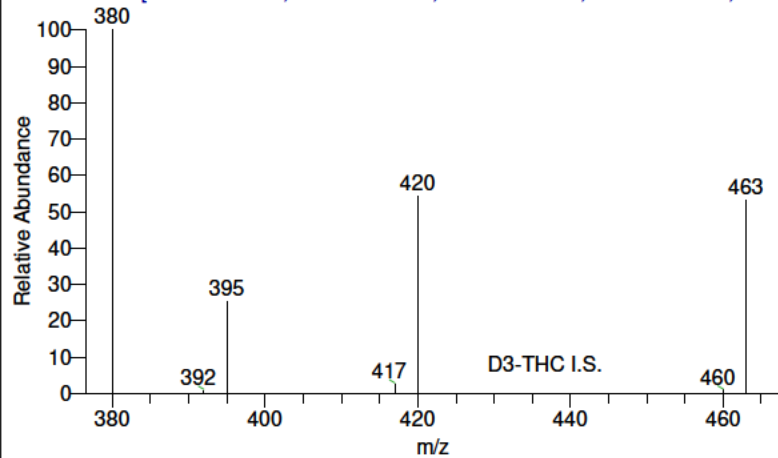
RT: 4.59 - 4.71 SM: 9G

LOWPOS #561 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 6.22E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

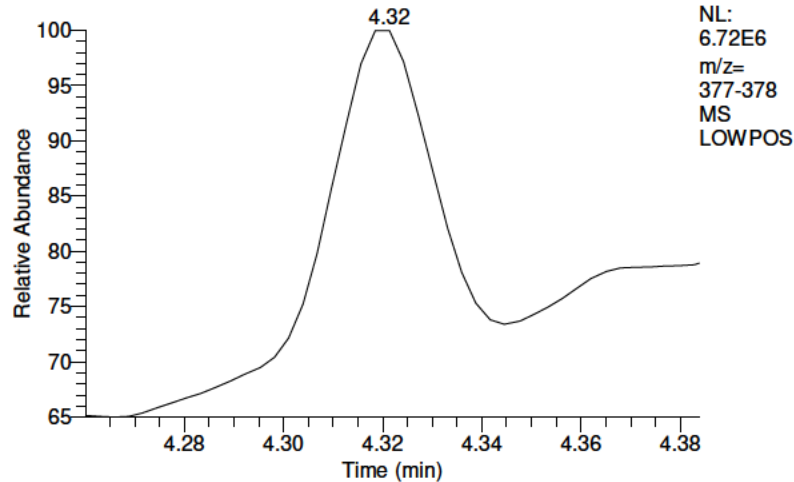
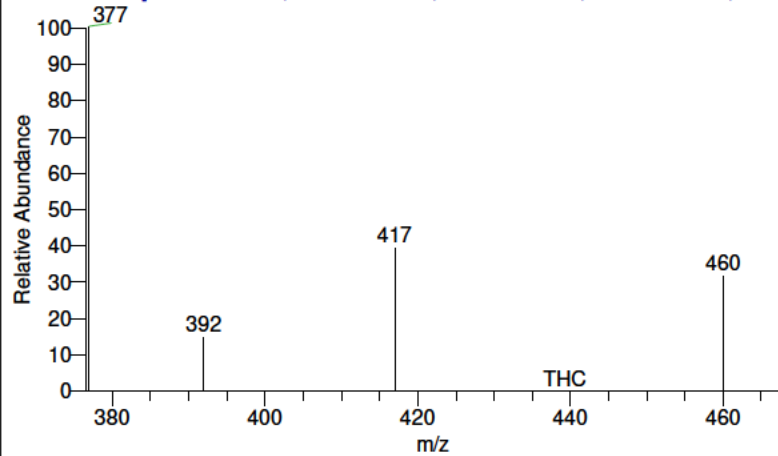
RT: 4.62 - 4.72 SM: 9G

LOWPOS #572 RT: 4.67 AV: 1 SB: 2 4.65, 4.69 NL: 2.21E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

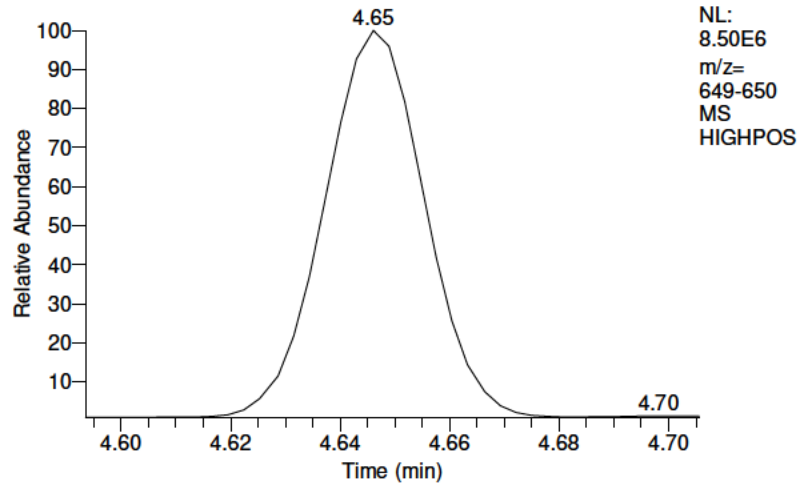
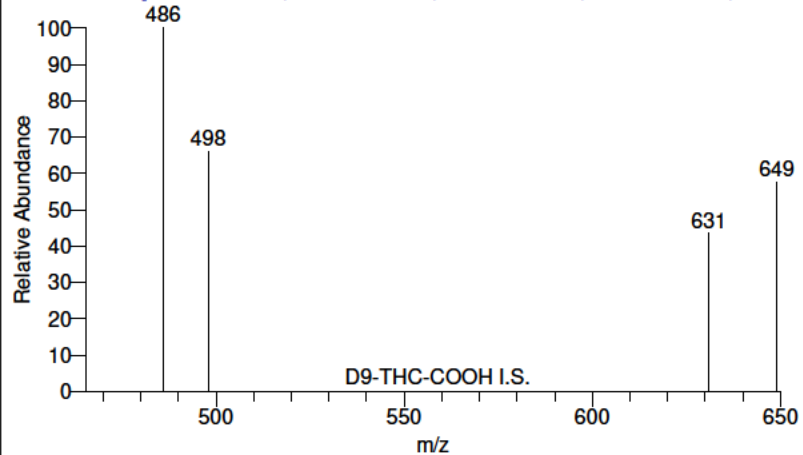
RT: 4.25 - 4.37 SM: 9G

LOWPOS #447 RT: 4.30 AV: 1 SB: 2 4.30, 4.33 NL: 2.91E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

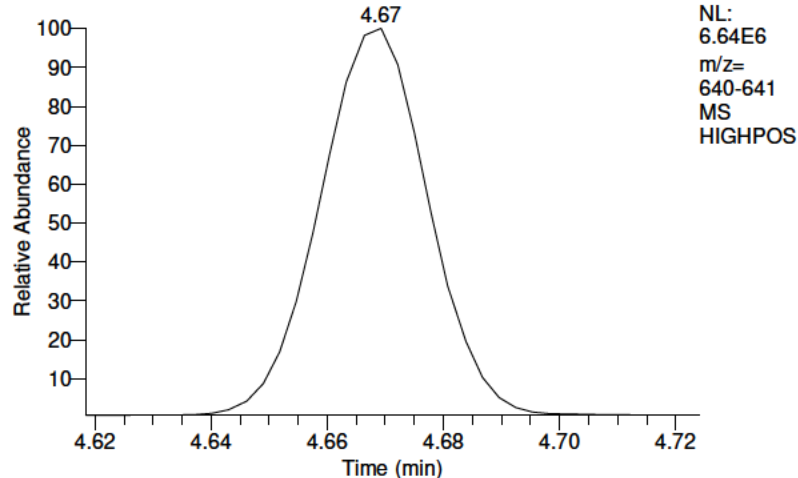
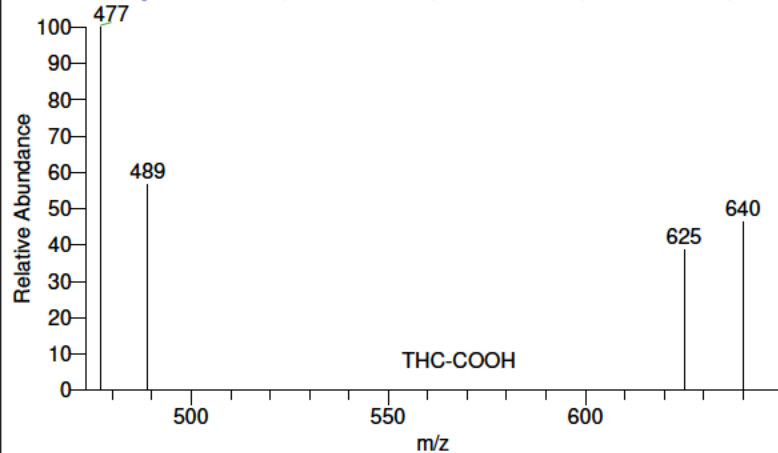
RT: 4.26 - 4.38 SM: 9G

LOWPOS #455 RT: 4.32 AV: 1 SB: 2 4.30, 4.34 NL: 1.83E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

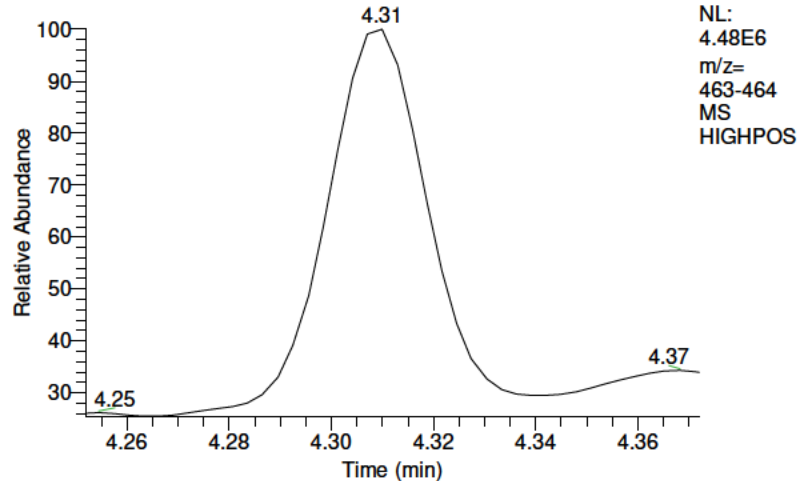
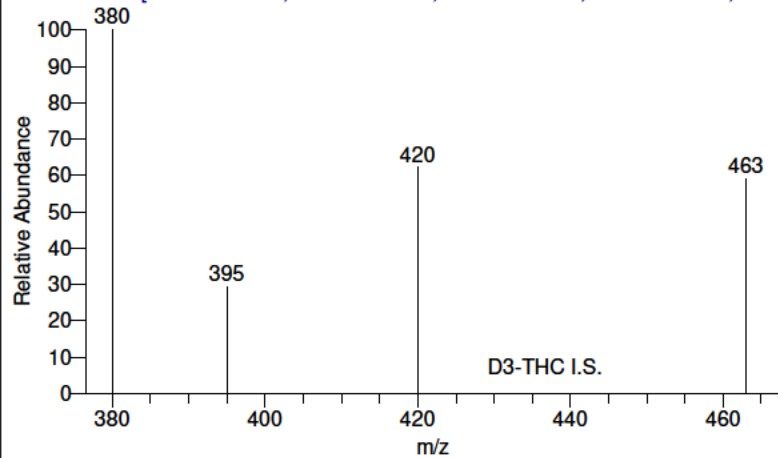
RT: 4.59 - 4.71 SM: 9G

HIGHPOS #561 RT: 4.64 AV: 1 SB: 2 4.63, 4.67 NL: 7.03E6  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

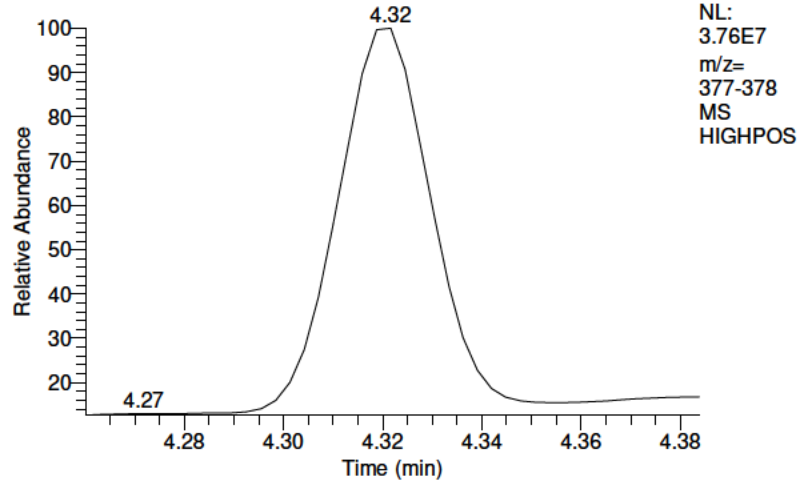
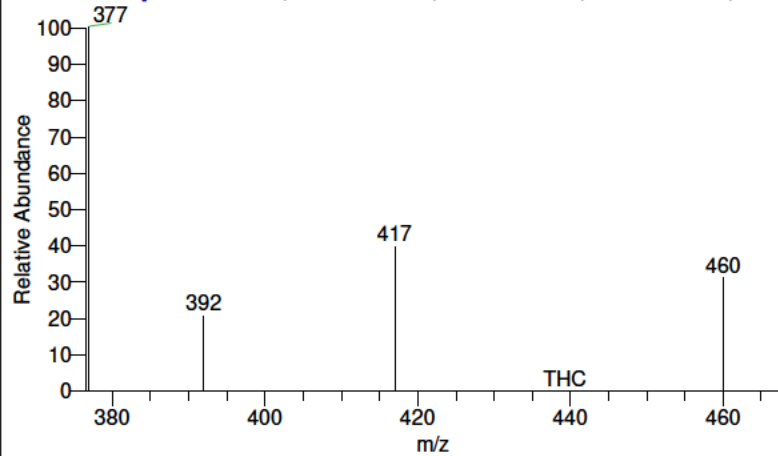
RT: 4.62 - 4.72 SM: 9G

HIGHPOS #571 RT: 4.67 AV: 1 SB: 2 4.65, 4.69 NL: 1.58E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.25 - 4.37 SM: 9G

HIGHPOS #447 RT: 4.30 AV: 1 SB: 2 4.29, 4.33 NL: 3.44E6  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.26 - 4.38 SM: 9G

HIGHPOS #455 RT: 4.32 AV: 1 SB: 2 4.30, 4.34 NL: 3.10E7  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...



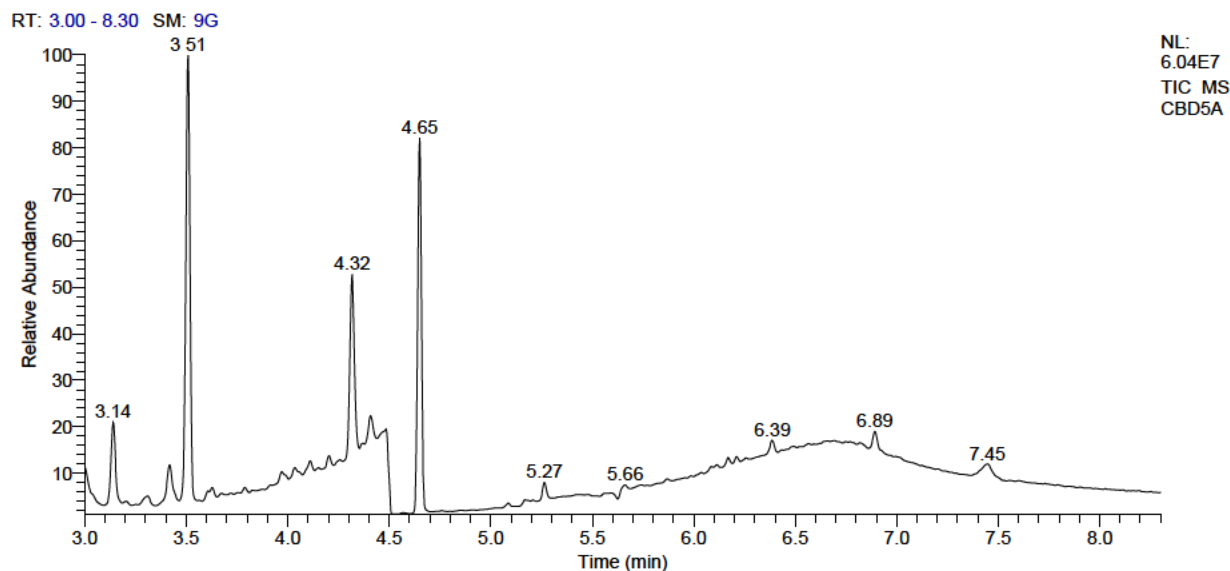
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD5A

**File Name:** CBD5A  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 11:20:26 AM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:11



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Calculated Amount |
|----------------|------|-------------------|-----------------|----------|-------------------|
| THC            | 4.33 | Target compound   | Yes             | 8351336  | 8.86              |
| THC-COOH       | N/A  | Target compound   | No              | N/A      | N/A               |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 10467641 | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3833063  | N/A               |

**Amounts in ng/mL**



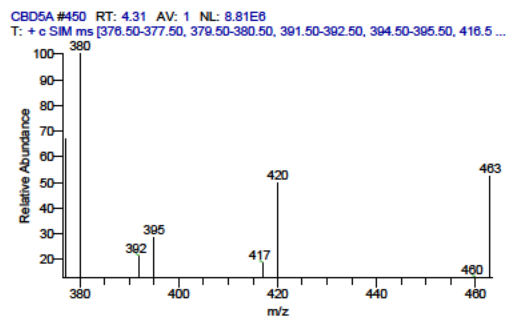
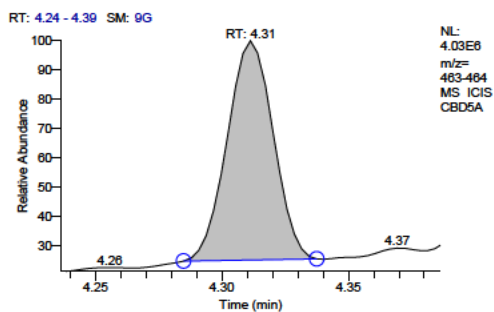
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

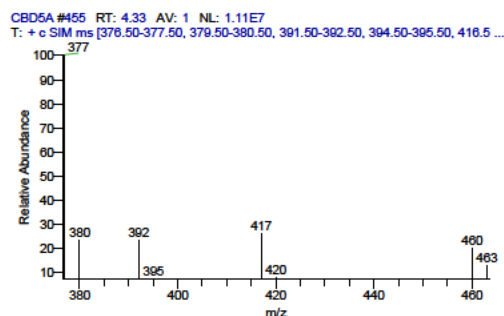
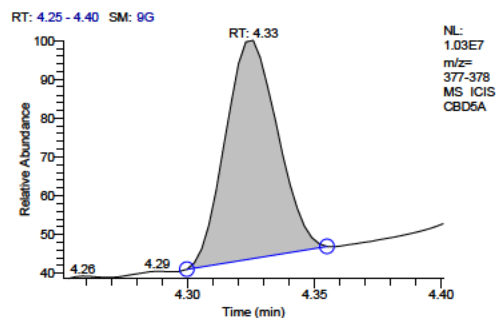
### LS-TX-GCMS6

Sample ID: CBD5A

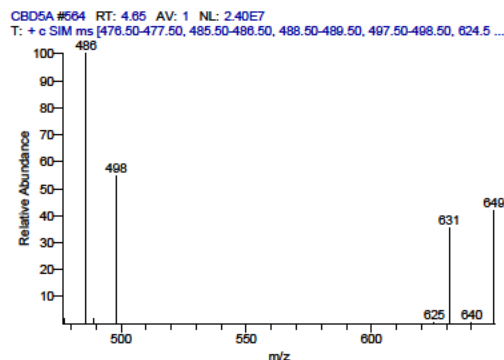
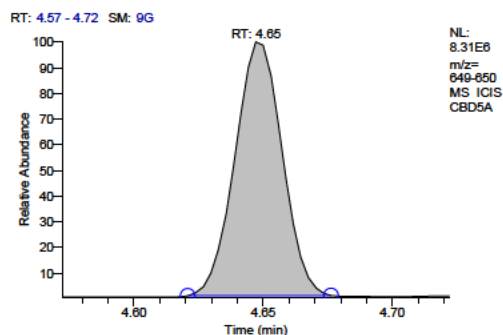
#### THC-D3



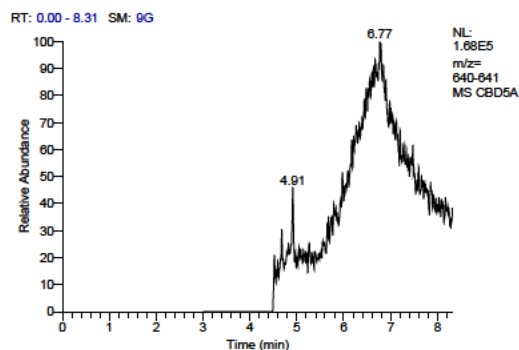
#### THC



#### THC-COOH-D9



#### THC-COOH



There's no data available to display this graphic object.

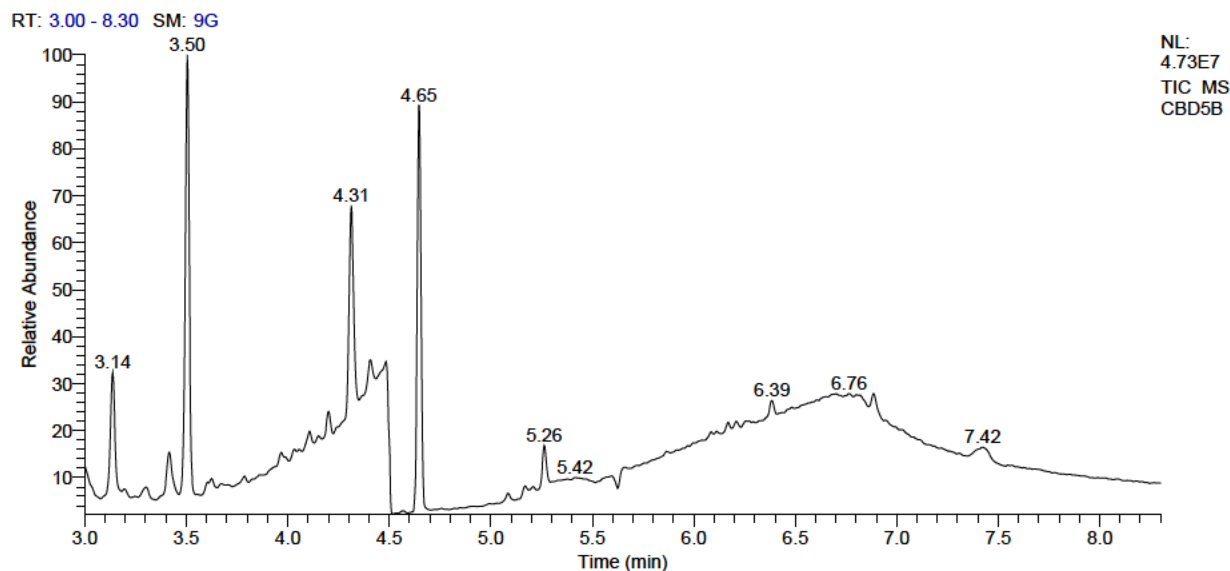
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD5B

**File Name:** CBD5B  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 12:36:45 PM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:12



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area    | Calculated Amount |
|----------------|------|-------------------|-----------------|---------|-------------------|
| THC            | 4.32 | Target compound   | Yes             | 7148015 | 8.33              |
| THC-COOH       | N/A  | Target compound   | No              | N/A     | N/A               |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 8586173 | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3486532 | N/A               |

Amounts in ng/mL

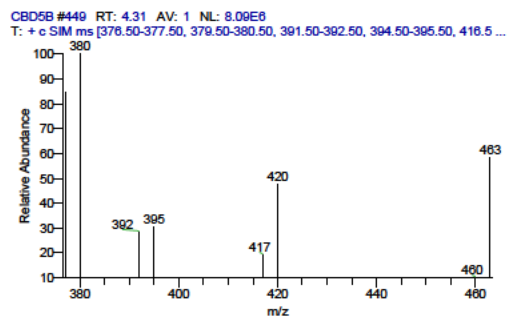
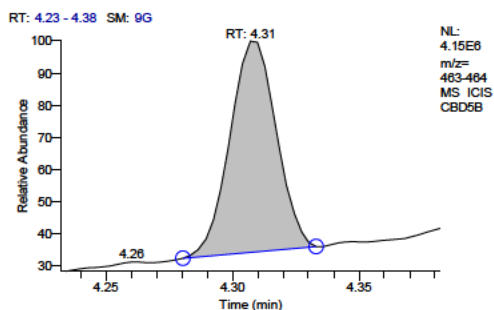
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

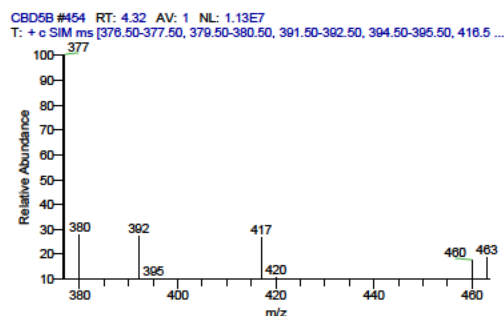
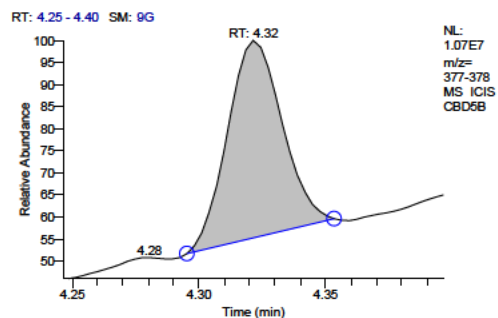
### LS-TX-GCMS6

Sample ID: CBD5B

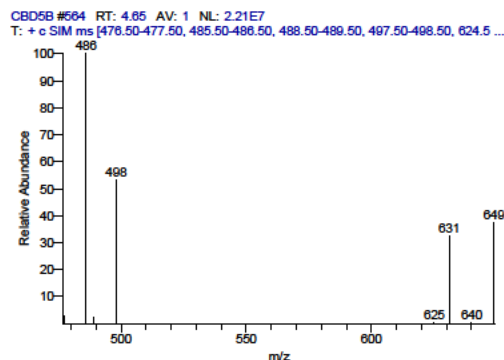
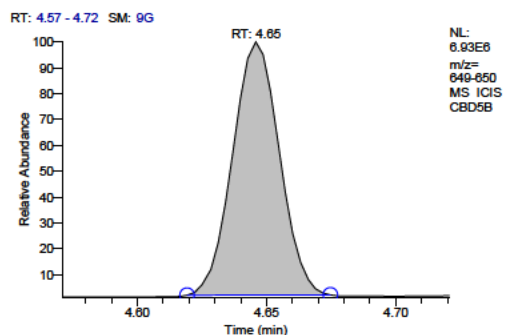
#### THC-D3



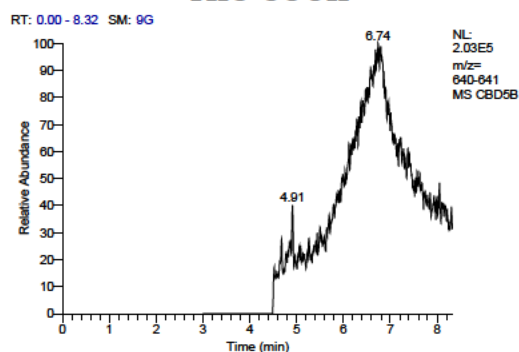
#### THC



#### THC-COOH-D9



#### THC-COOH



There's no data available to display this graphic object.

# Michigan State Police Toxicology Unit

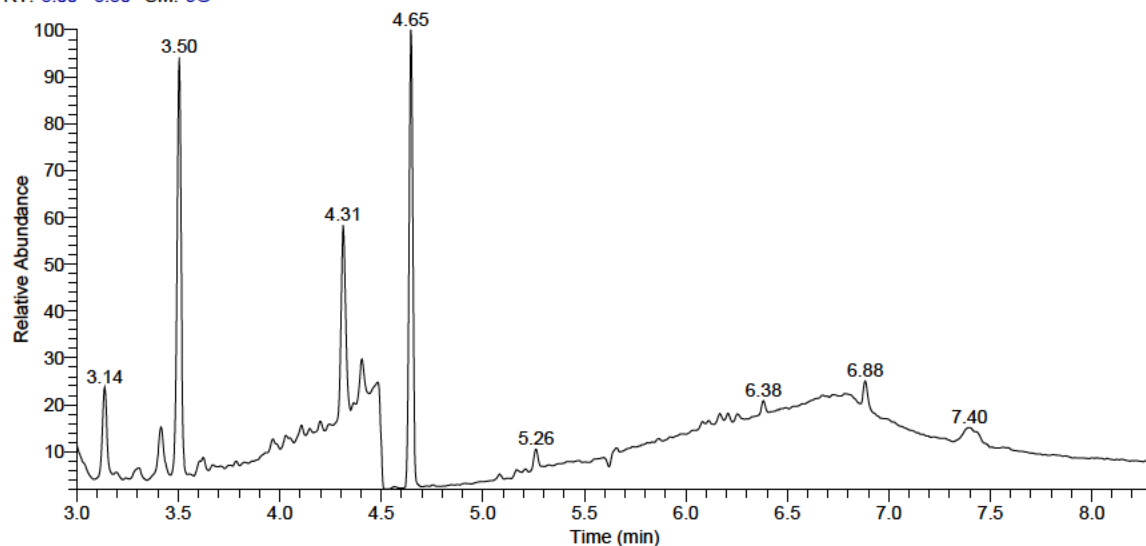
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD5C

**File Name:** CBD5C  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 01:27:33 PM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:13

RT: 3.00 - 8.30 SM: 9G



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area    | Calculated Amount |
|----------------|------|-------------------|-----------------|---------|-------------------|
| THC            | 4.32 | Target compound   | Yes             | 6775797 | 10.10             |
| THC-COOH       | N/A  | Target compound   | No              | N/A     | N/A               |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 8489075 | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 2739378 | N/A               |

Amounts in ng/mL

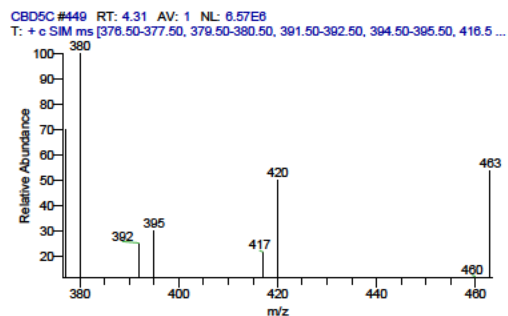
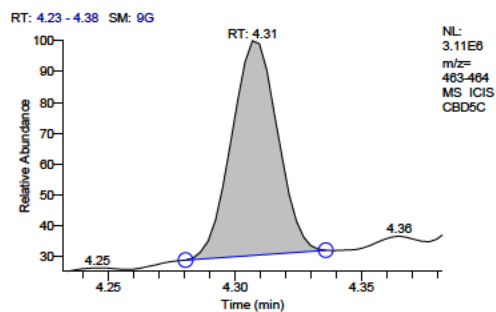
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

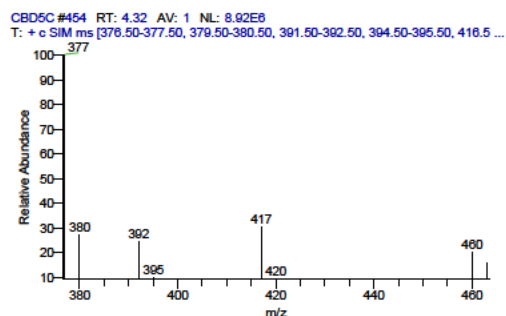
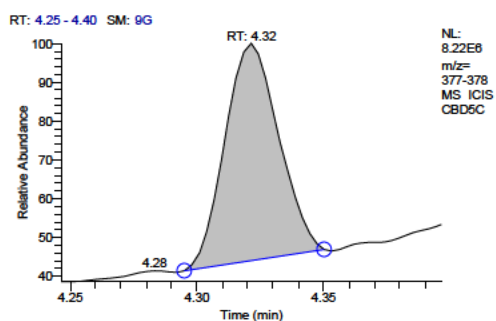
### LS-TX-GCMS6

Sample ID: CBD5C

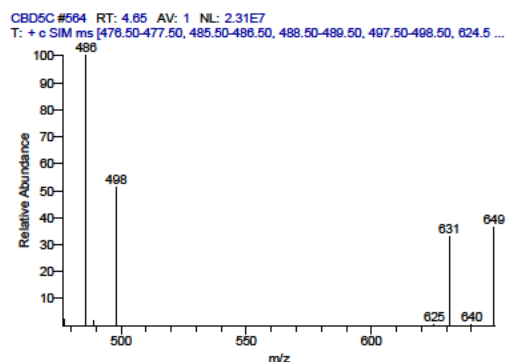
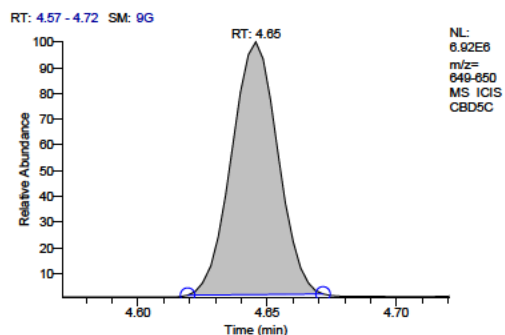
#### THC-D3



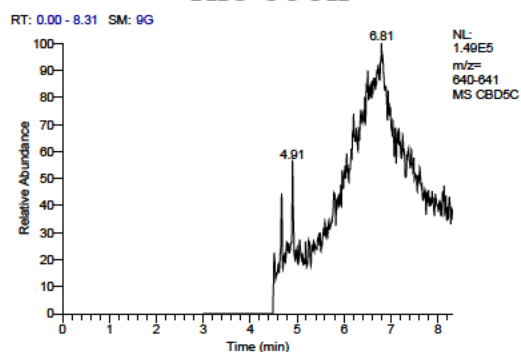
#### THC



#### THC-COOH-D9



#### THC-COOH



There's no data available to display this graphic object.

# Michigan State Police Toxicology Unit

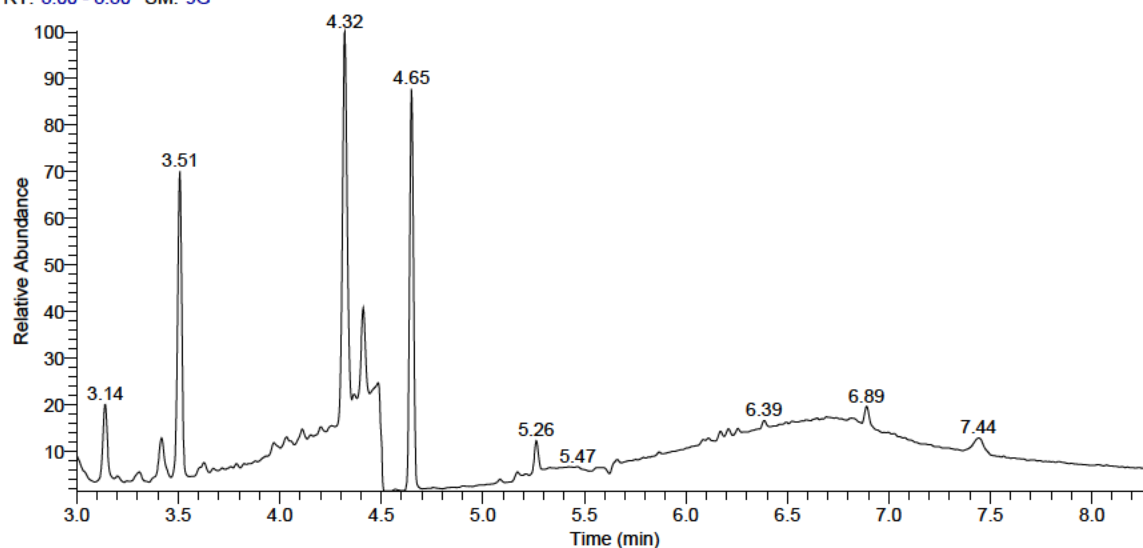
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD20A

**File Name:** CBD20A  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 11:33:02 AM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:14

RT: 3.00 - 8.30 SM: 9G



NL:  
5.74E7  
TIC MS  
CBD20A

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Calculated Amount |
|----------------|------|-------------------|-----------------|----------|-------------------|
| THC            | 4.32 | Target compound   | Yes             | 29910660 | 35.73             |
| THC-COOH       | N/A  | Target compound   | No              | N/A      | N/A               |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 10863756 | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3480898  | N/A               |

Amounts in ng/mL

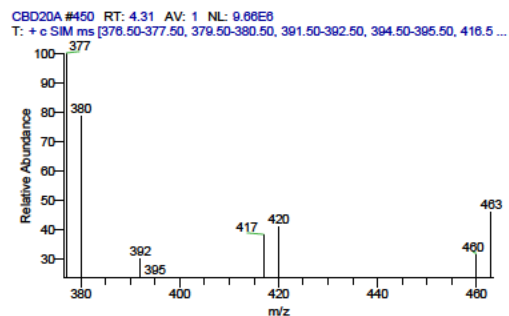
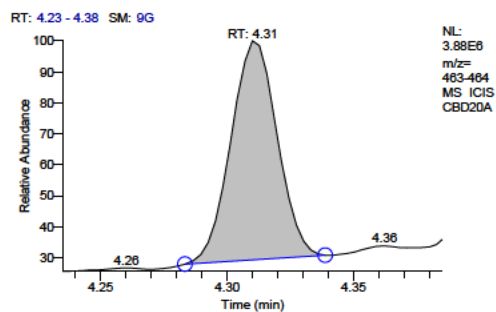
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

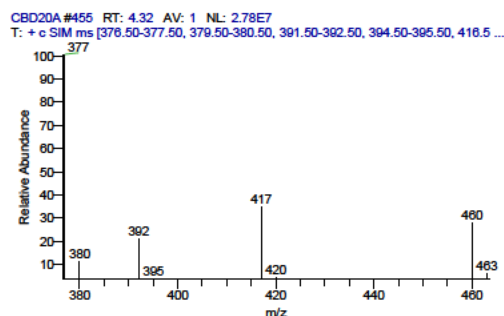
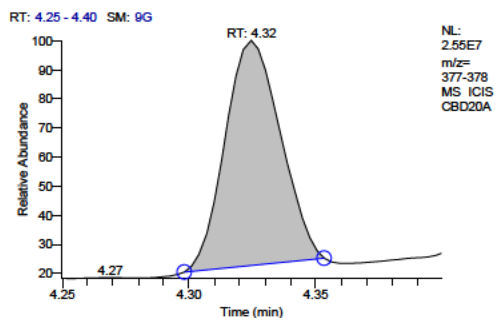
### LS-TX-GCMS6

Sample ID: CBD20A

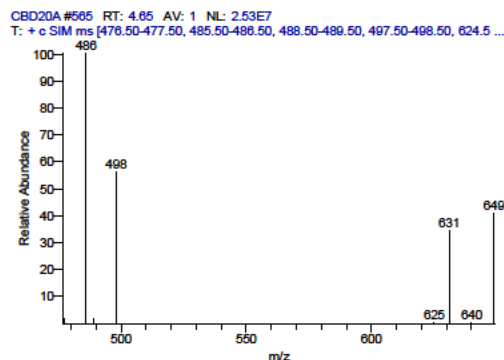
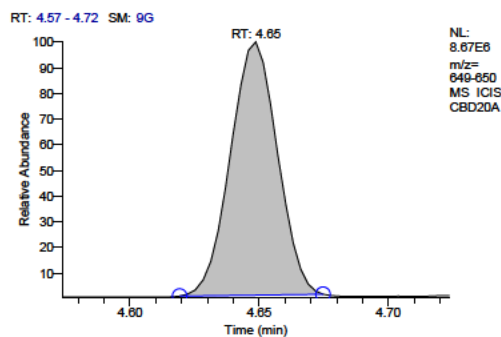
#### THC-D3



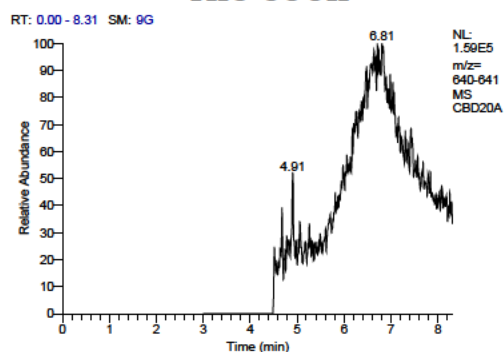
#### THC



#### THC-COOH-D9



#### THC-COOH



There's no data available to display this graphic object.

# Michigan State Police Toxicology Unit

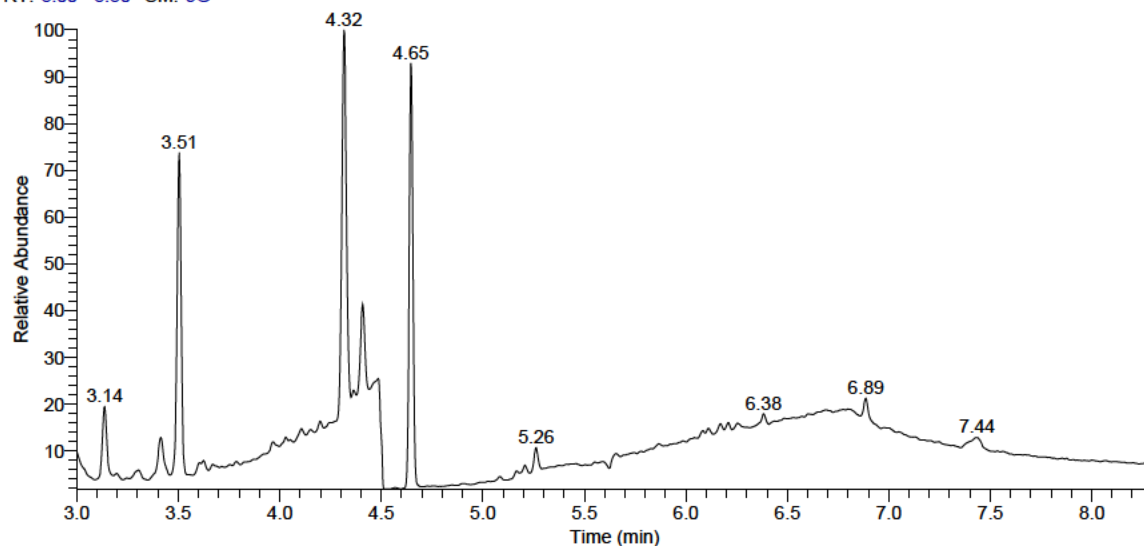
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD20B

**File Name:** CBD20B  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 12:49:21 PM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:15

RT: 3.00 - 8.30 SM: 9G



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Calculated Amount |
|----------------|------|-------------------|-----------------|----------|-------------------|
| THC            | 4.32 | Target compound   | Yes             | 25617761 | 32.49             |
| THC-COOH       | N/A  | Target compound   | No              | N/A      | N/A               |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 9578635  | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3275512  | N/A               |

Amounts in ng/mL



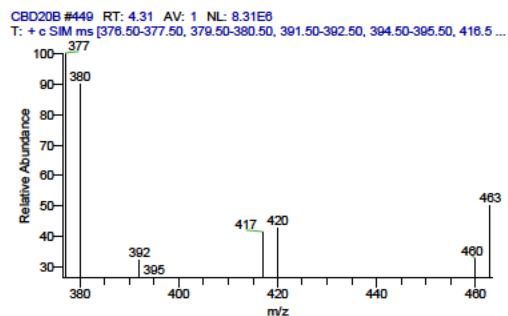
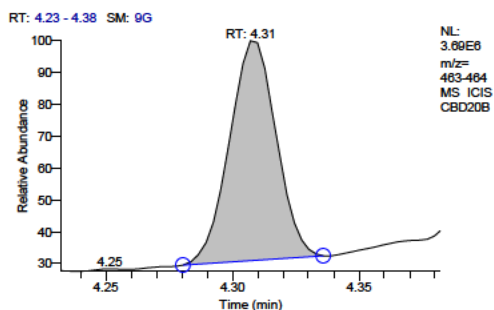
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

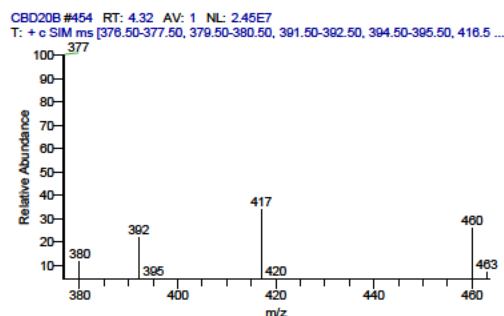
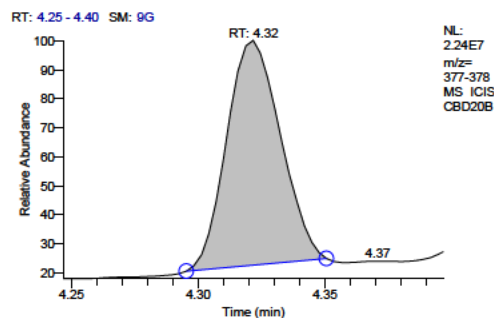
### LS-TX-GCMS6

Sample ID: CBD20B

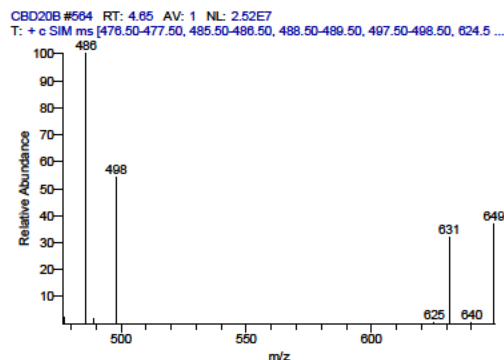
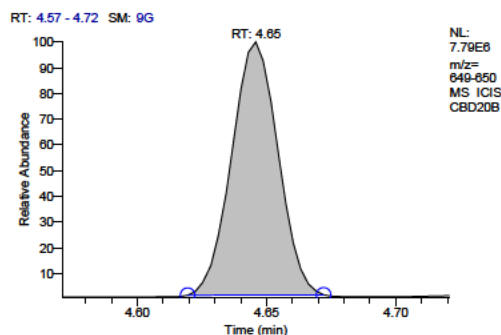
#### THC-D3



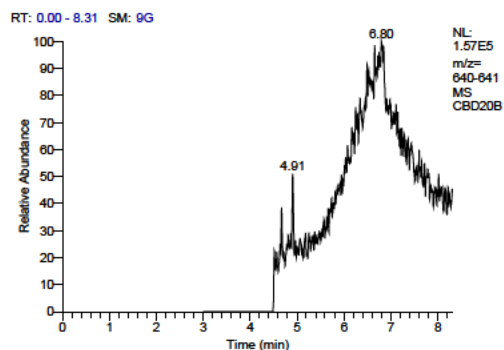
#### THC



#### THC-COOH-D9



#### THC-COOH



There's no data available to display this graphic object.

# Michigan State Police Toxicology Unit

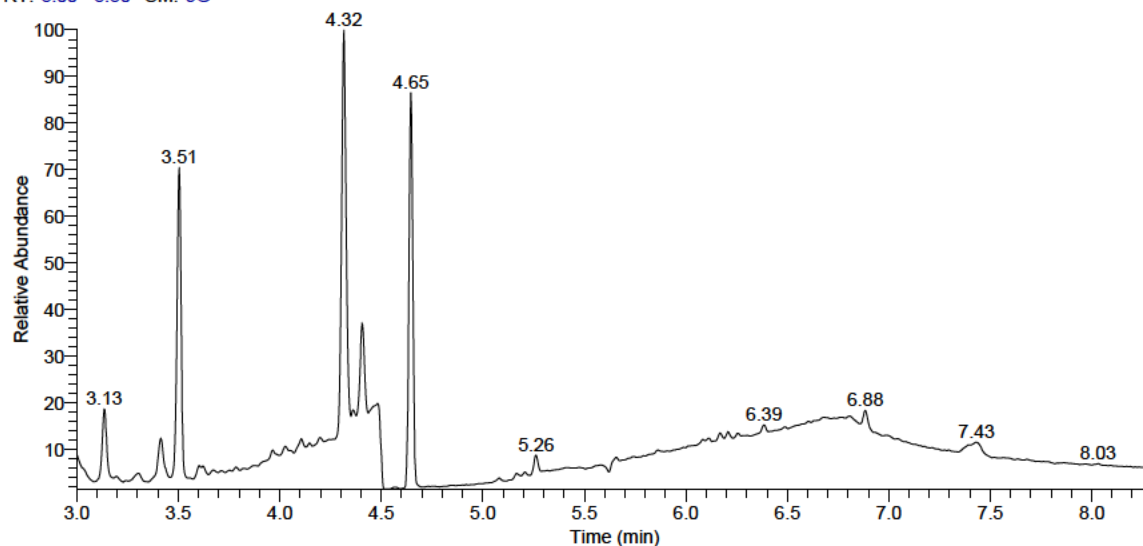
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD20C

**File Name:** CBD20C  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 01:40:12 PM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:16

RT: 3.00 - 8.30 SM: 9G



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Calculated Amount |
|----------------|------|-------------------|-----------------|----------|-------------------|
| THC            | 4.32 | Target compound   | Yes             | 27709601 | 36.08             |
| THC-COOH       | N/A  | Target compound   | No              | N/A      | N/A               |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 9238509  | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3192813  | N/A               |

Amounts in ng/mL

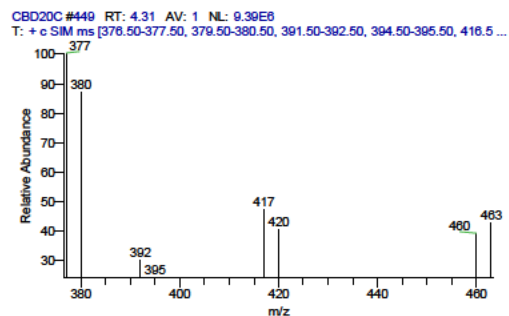
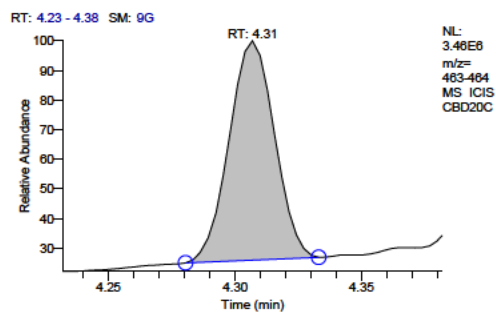
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

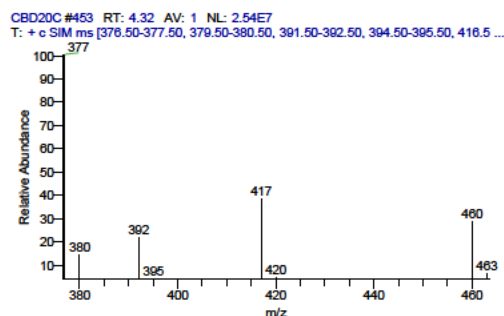
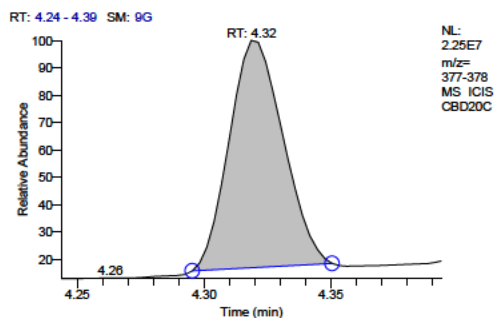
### LS-TX-GCMS6

Sample ID: CBD20C

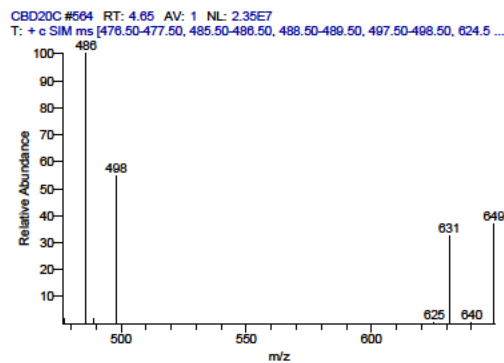
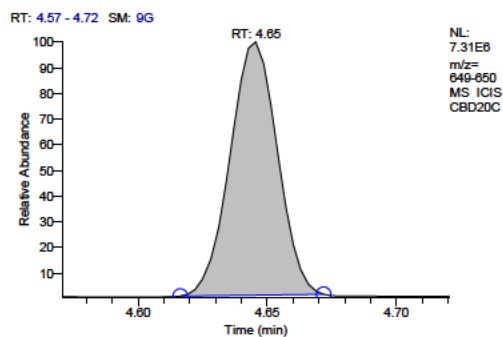
#### THC-D3



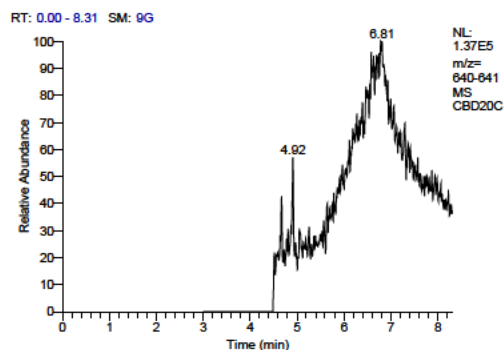
#### THC



#### THC-COOH-D9



#### THC-COOH



There's no data available to display this graphic object.

# Michigan State Police Toxicology Unit

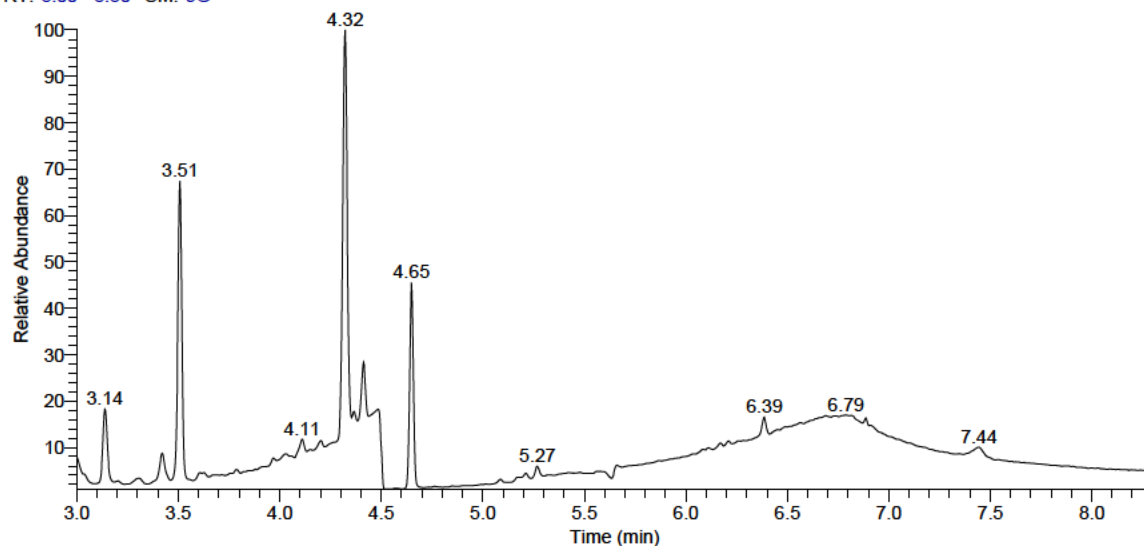
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD40A

**File Name:** CBD40A  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 11:45:37 AM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:17

RT: 3.00 - 8.30 SM: 9G



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Calculated Amount |
|----------------|------|-------------------|-----------------|----------|-------------------|
| THC            | 4.33 | Target compound   | Yes             | 52294411 | 65.88             |
| THC-COOH       | N/A  | Target compound   | No              | N/A      | N/A               |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 8665987  | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3311357  | N/A               |

Amounts in ng/mL

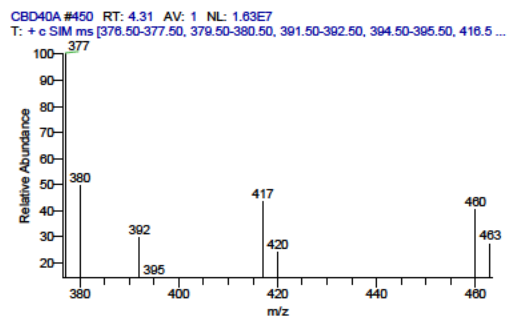
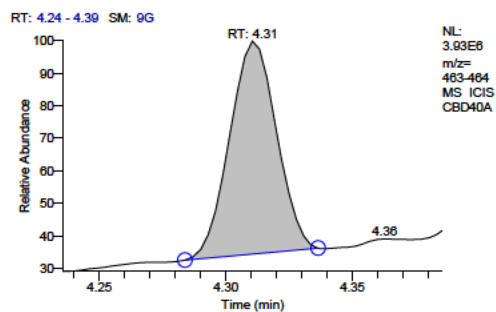
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

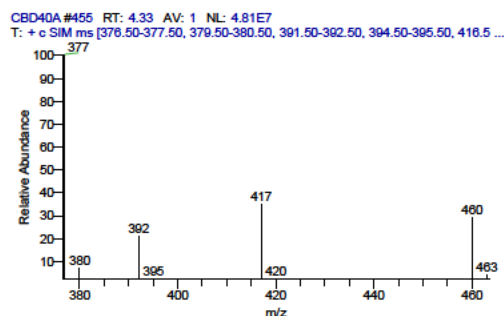
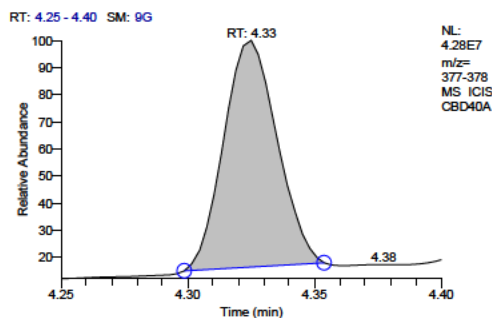
### LS-TX-GCMS6

Sample ID: CBD40A

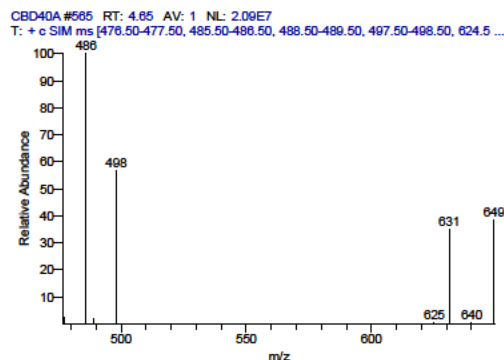
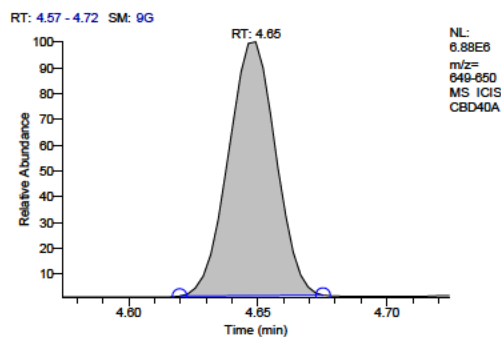
#### THC-D3



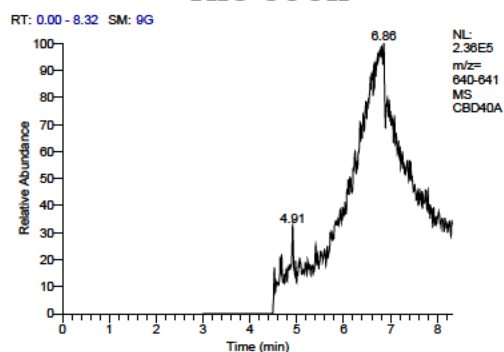
#### THC



#### THC-COOH-D9



#### THC-COOH



There's no data available to display this graphic object.

# Michigan State Police Toxicology Unit

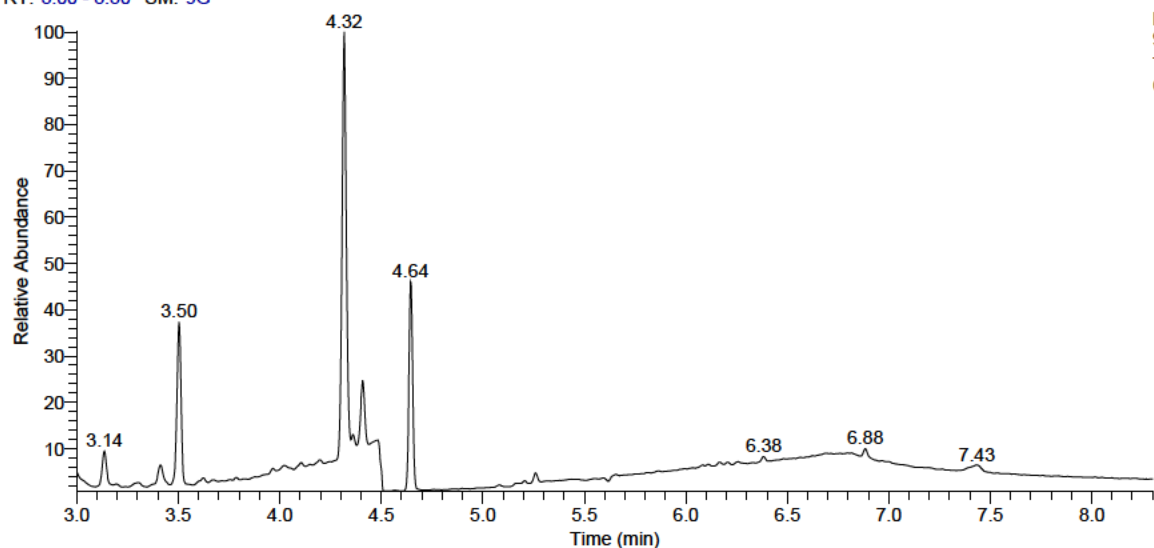
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD40B

**File Name:** CBD40B  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 01:01:59 PM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:18

RT: 3.00 - 8.30 SM: 9G



NL:  
9.85E7  
TIC MS  
CBD40B

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Calculated Amount |
|----------------|------|-------------------|-----------------|----------|-------------------|
| THC            | 4.32 | Target compound   | Yes             | 59239489 | 67.85             |
| THC-COOH       | N/A  | Target compound   | No              | N/A      | N/A               |
| THC-COOH-D9    | 4.64 | Internal Standard | Yes             | 9075271  | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3642643  | N/A               |

Amounts in ng/mL

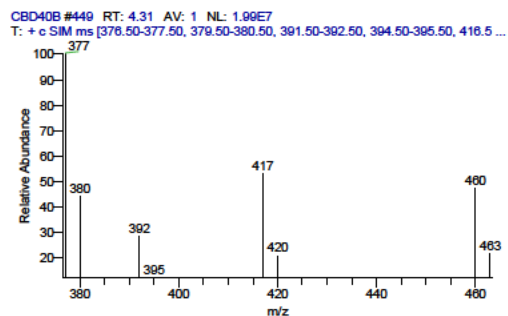
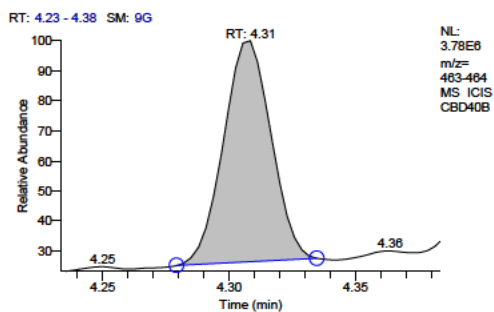
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

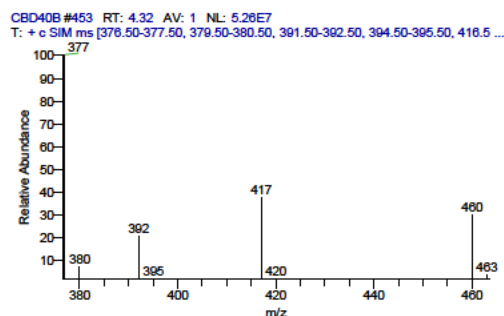
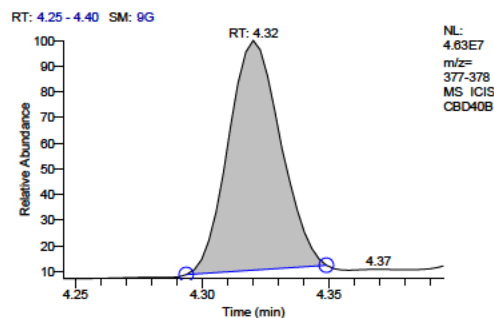
### LS-TX-GCMS6

Sample ID: CBD40B

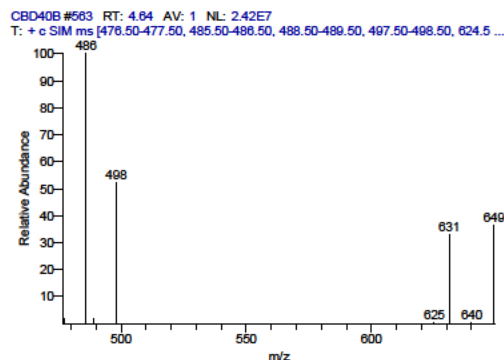
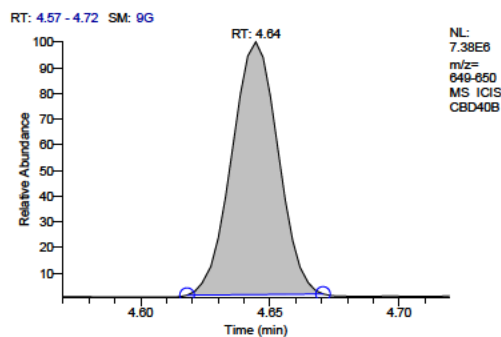
#### THC-D3



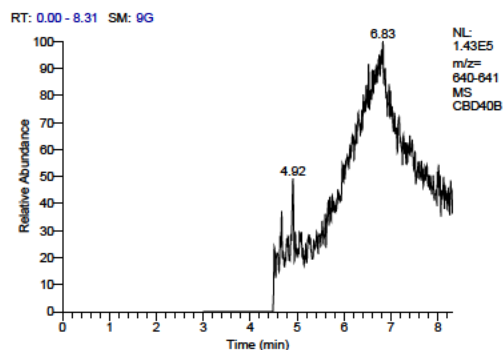
#### THC



#### THC-COOH-D9



#### THC-COOH



There's no data available to display this graphic object.

# Michigan State Police Toxicology Unit

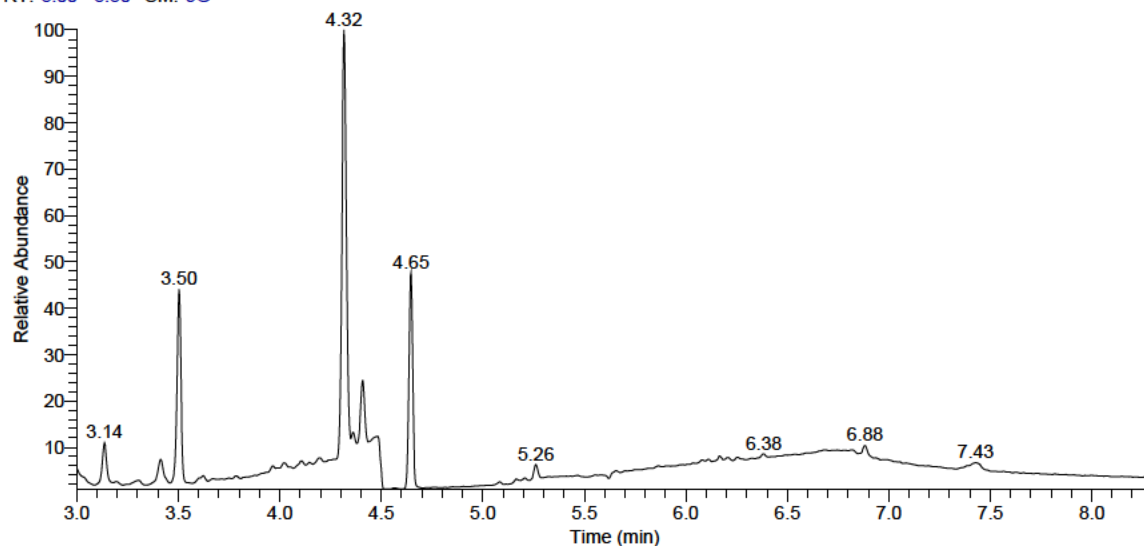
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD40C

**File Name:** CBD40C  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 01:52:48 PM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:19

RT: 3.00 - 8.30 SM: 9G



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Calculated Amount |
|----------------|------|-------------------|-----------------|----------|-------------------|
| THC            | 4.32 | Target compound   | Yes             | 52028779 | 70.15             |
| THC-COOH       | N/A  | Target compound   | No              | N/A      | N/A               |
| THC-COOH-D9    | 4.64 | Internal Standard | Yes             | 8020392  | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3094680  | N/A               |

Amounts in ng/mL



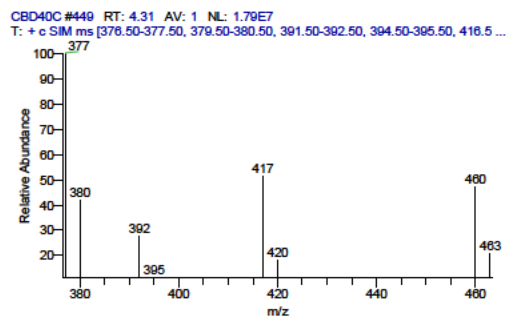
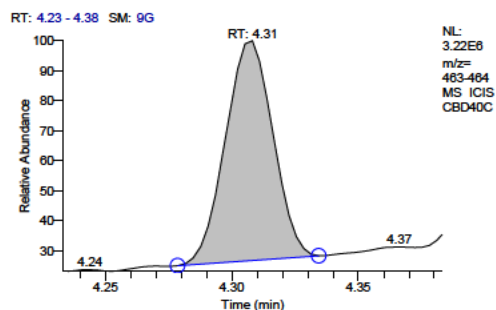
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

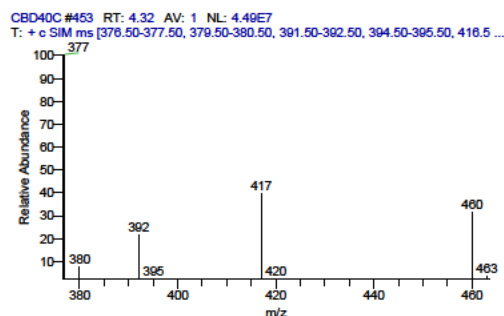
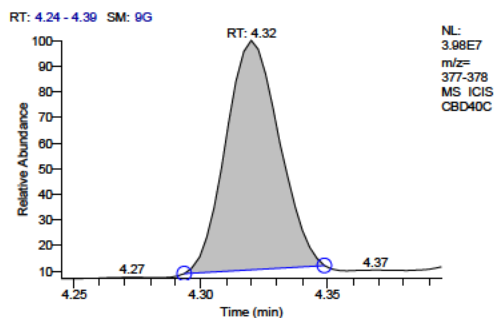
### LS-TX-GCMS6

Sample ID: CBD40C

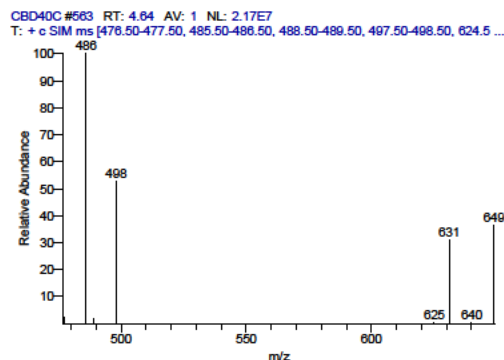
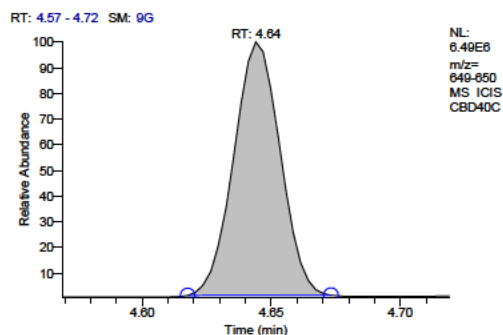
#### THC-D3



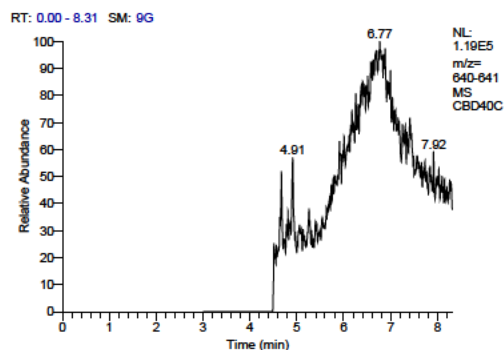
#### THC



#### THC-COOH-D9



#### THC-COOH



There's no data available to display this graphic object.

# Michigan State Police Toxicology Unit

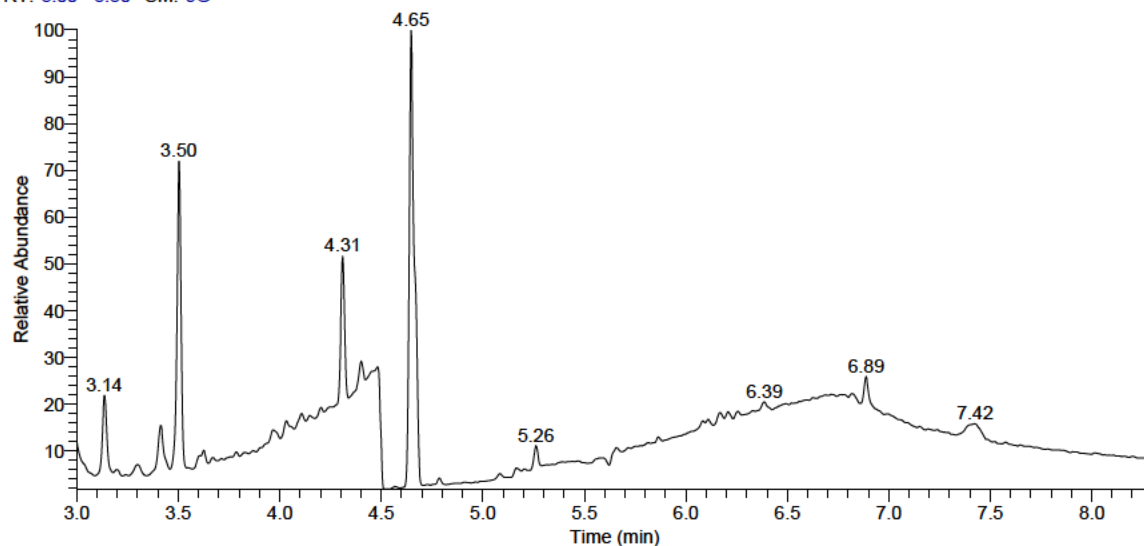
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD-COOH40A

**File Name:** CBD-COOH40A  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 11:58:15 AM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:20

RT: 3.00 - 8.30 SM: 9G



NL:  
4.50E7  
TIC MS  
CBD-  
COOH40A

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area    | Calculated Amount |
|----------------|------|-------------------|-----------------|---------|-------------------|
| THC            | N/A  | Target compound   | No              | N/A     | N/A               |
| THC-COOH       | 4.67 | Target compound   | Yes             | 4159126 | 43.84             |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 9334202 | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3190836 | N/A               |

Amounts in ng/mL

# Michigan State Police Toxicology Unit

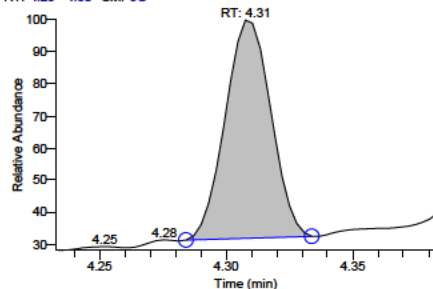
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

Sample ID: CBD-COOH40A

#### THC-D3

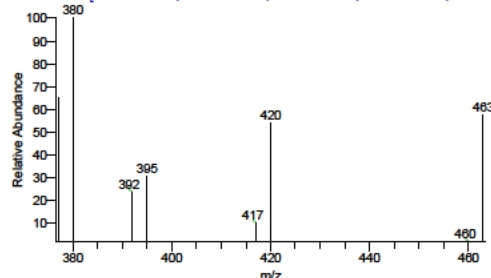
RT: 4.23 - 4.38 SM: 9G



NL:  
3.73E8  
m/z=  
463-464  
MS: ICIS  
CBD-  
COOH40A

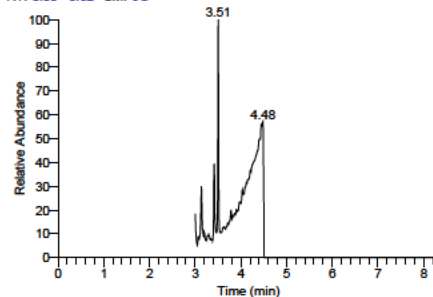
CBD-COOH40A #449 RT: 4.31 AV: 1 NL: 7.34E8

T: + c SIM ms [376.50-377.50, 378.50-380.50, 391.50-392.50, 394.50-395.50, 416.5 ...



#### THC

RT: 0.00 - 8.32 SM: 9G

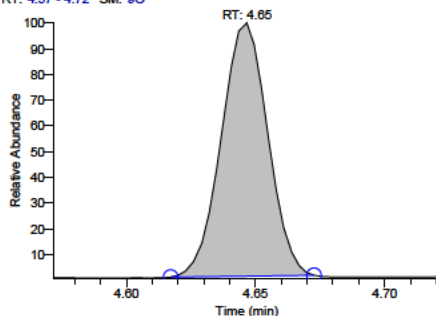


NL:  
1.14E7  
m/z=  
377-378  
MS  
CBD-  
COOH40A

There's no data available to display this graphic object.

#### THC-COOH-D9

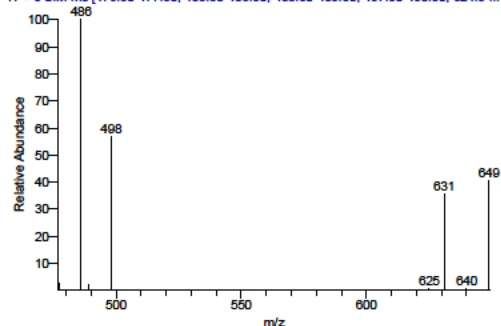
RT: 4.57 - 4.72 SM: 9G



NL:  
7.58E8  
m/z=  
649-650  
MS: ICIS  
CBD-  
COOH40A

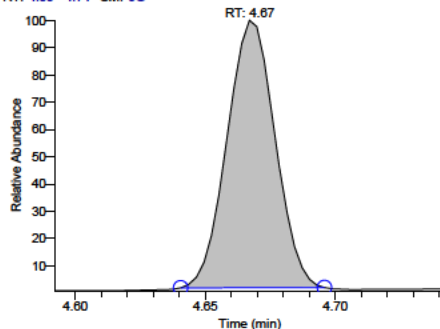
CBD-COOH40A #564 RT: 4.65 AV: 1 NL: 2.20E7

T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...



#### THC-COOH

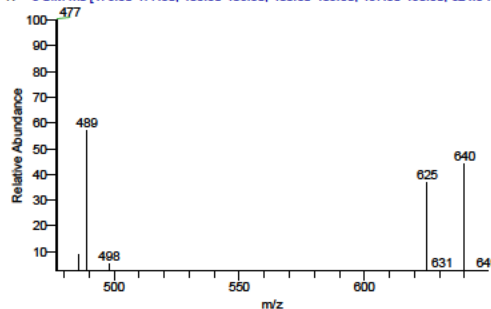
RT: 4.59 - 4.74 SM: 9G



NL:  
3.30E8  
m/z=  
640-641  
MS: ICIS  
CBD-  
COOH40A

CBD-COOH40A #571 RT: 4.67 AV: 1 NL: 8.85E8

T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...



# Michigan State Police Toxicology Unit

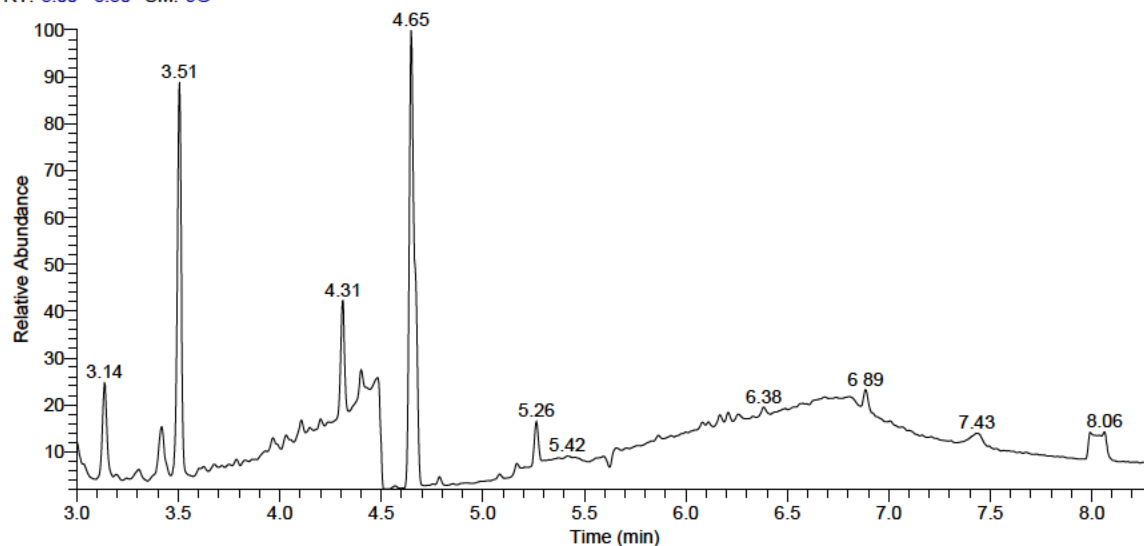
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD-COOH40B

**File Name:** CBD-COOH40B  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 01:14:57 PM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:21

RT: 3.00 - 8.30 SM: 9G



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area    | Calculated Amount |
|----------------|------|-------------------|-----------------|---------|-------------------|
| THC            | N/A  | Target compound   | No              | N/A     | N/A               |
| THC-COOH       | 4.67 | Target compound   | Yes             | 4484060 | 48.40             |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 9132549 | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 2645899 | N/A               |

Amounts in ng/mL

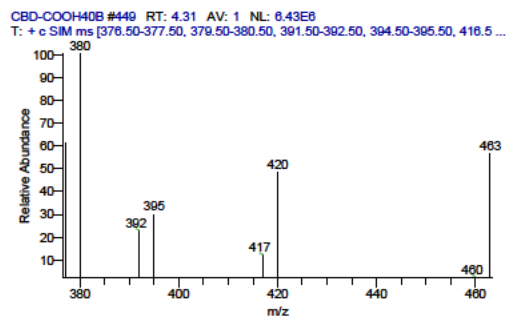
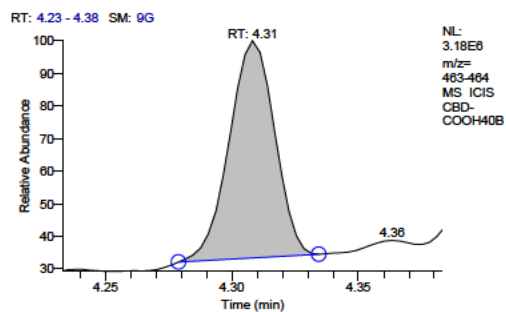
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

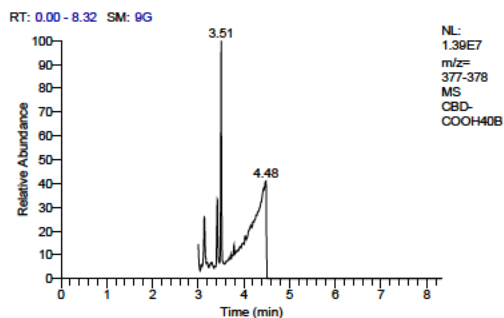
### LS-TX-GCMS6

Sample ID: CBD-COOH40B

#### THC-D3

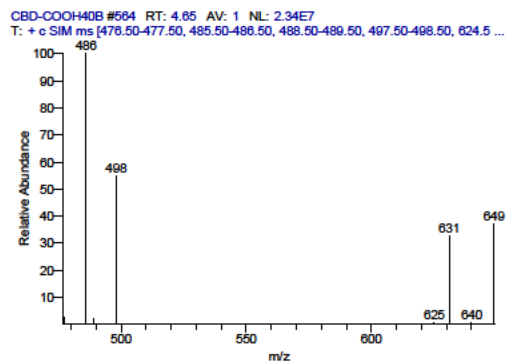
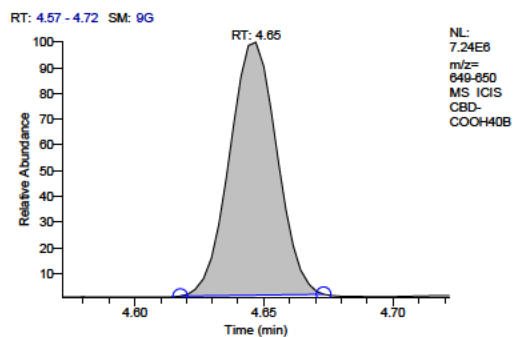


#### THC

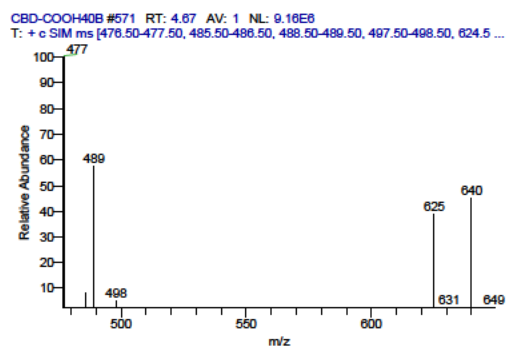
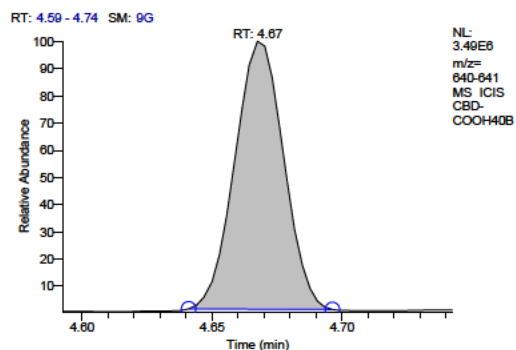


There's no data available to display this graphic object.

#### THC-COOH-D9



#### THC-COOH



# Michigan State Police Toxicology Unit

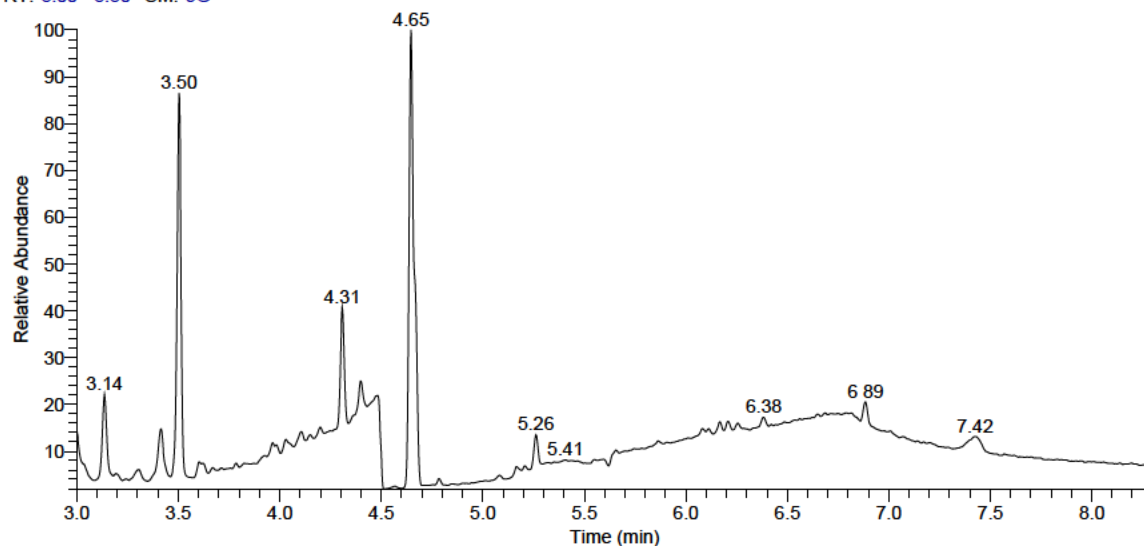
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:** CBD-COOH40C

**File Name:** CBD-COOH40C  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 02:05:24 PM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:22

RT: 3.00 - 8.30 SM: 9G



NL:  
4.14E7  
TIC MS  
CBD-  
COOH40C

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area    | Calculated Amount |
|----------------|------|-------------------|-----------------|---------|-------------------|
| THC            | N/A  | Target compound   | No              | N/A     | N/A               |
| THC-COOH       | 4.67 | Target compound   | Yes             | 3694920 | 45.92             |
| THC-COOH-D9    | 4.64 | Internal Standard | Yes             | 7923903 | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 2424638 | N/A               |

Amounts in ng/mL

# Michigan State Police Toxicology Unit

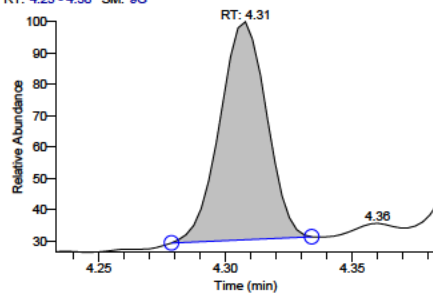
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

Sample ID: CBD-COOH40C

#### THC-D3

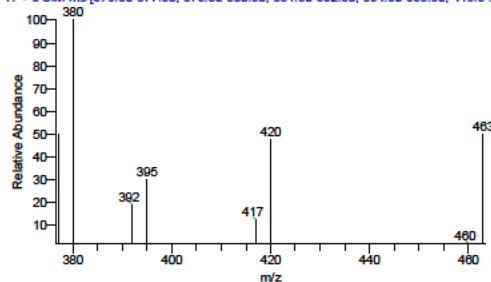
RT: 4.23 - 4.38 SM: 9G



NL:  
2.71E8  
m/z=  
463-464  
MS: ICIS  
CBD-  
COOH40C

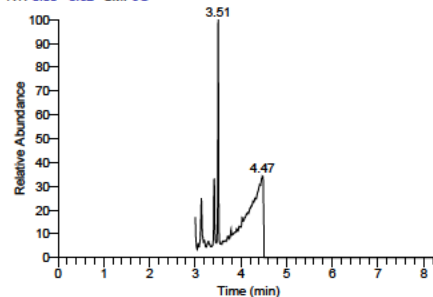
CBD-COOH40C #449 RT: 4.31 AV: 1 NL: 6.12E8

T: + c SIM ms [376.50-377.50, 378.50-380.50, 391.50-392.50, 394.50-395.50, 416.5 ...



#### THC

RT: 0.00 - 8.32 SM: 9G

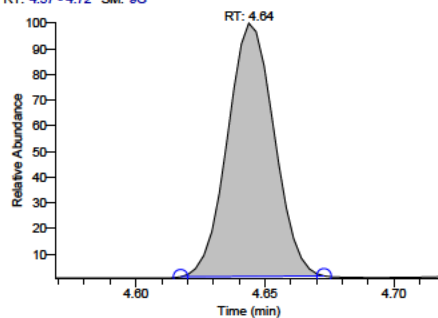


NL:  
1.21E7  
m/z=  
377-378  
MS  
CBD-  
COOH40C

There's no data available to display this graphic object.

#### THC-COOH-D9

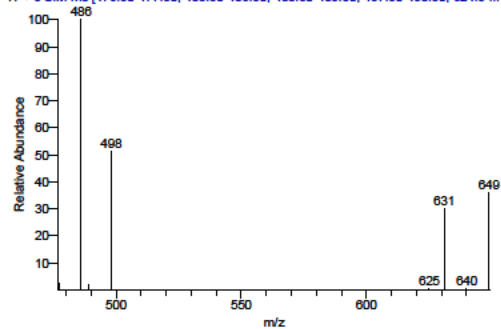
RT: 4.57 - 4.72 SM: 9G



NL:  
6.39E8  
m/z=  
649-650  
MS: ICIS  
CBD-  
COOH40C

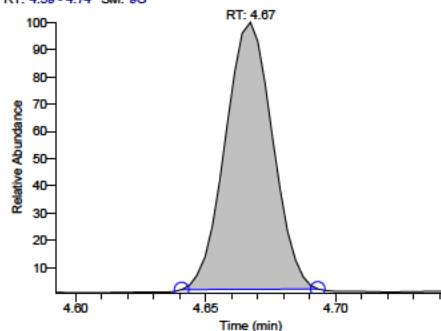
CBD-COOH40C #563 RT: 4.64 AV: 1 NL: 2.16E7

T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...



#### THC-COOH

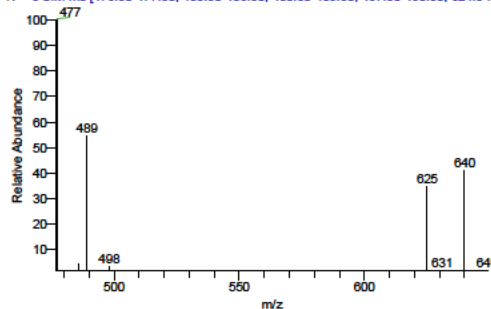
RT: 4.59 - 4.74 SM: 9G



NL:  
2.98E8  
m/z=  
640-641  
MS: ICIS  
CBD-  
COOH40C

CBD-COOH40C #571 RT: 4.67 AV: 1 NL: 8.71E8

T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...



# Michigan State Police Toxicology Unit

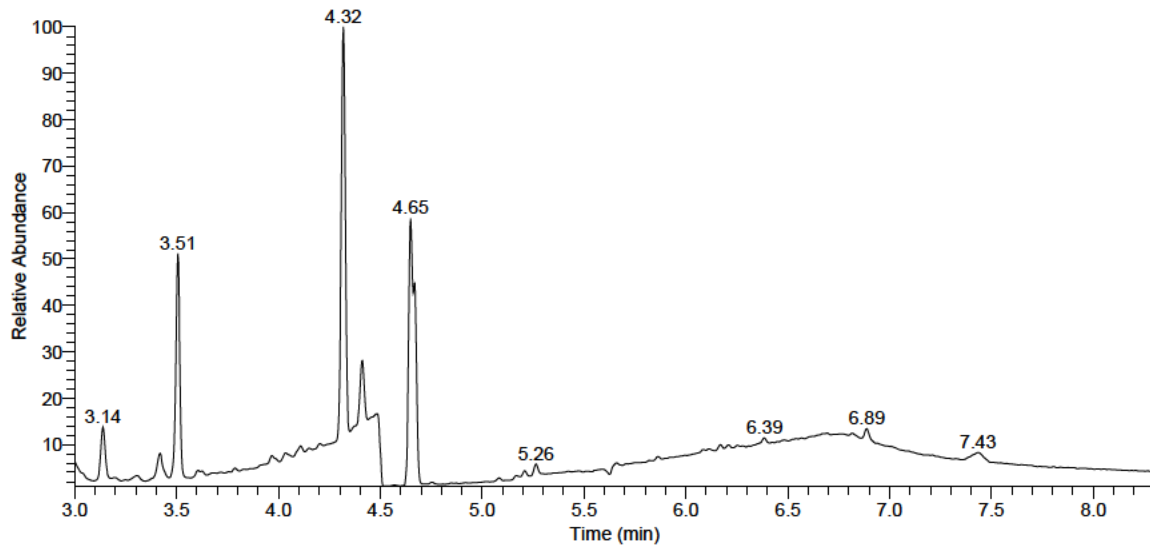
## GC/MS Cannabinoid Control Report

### LS-TX-GCMS6

**Sample ID: HIGHPOS**

**File Name:** HIGHPOS  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 12:23:49 PM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:24

RT: 3.00 - 8.30 SM: 9G



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Specified Amount | Calculated Amount | % Diff   |
|----------------|------|-------------------|-----------------|----------|------------------|-------------------|----------|
| THC            | 4.32 | Target compound   | Yes             | 41020826 | 40.00            | 41.11             | 2.78037  |
| THC-COOH       | 4.67 | Target compound   | Yes             | 8410777  | 80.00            | 79.05             | -1.18399 |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 10561598 | 100.00           | N/A               | N/A      |
| THC-D3         | 4.31 | Internal Standard | Yes             | 4152243  | 10.00            | N/A               | N/A      |

Amounts in ng/mL



# Michigan State Police Toxicology Unit

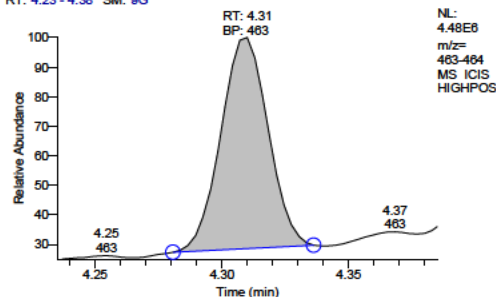
## GC/MS Cannabinoid Control Report

### LS-TX-GCMS6

Sample ID: HIGHPOS

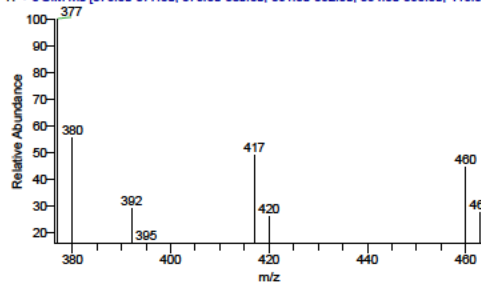
#### THC-D3

RT: 4.23 - 4.38 SM: 9G



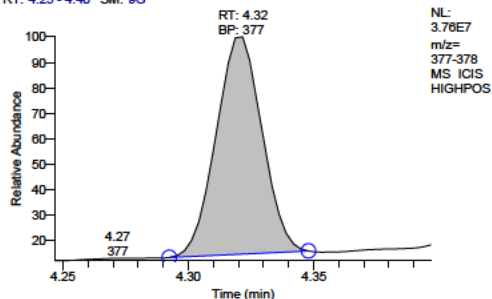
HIGHPOS #450 RT: 4.31 AV: 1 NL: 1.88E7

T: + c SIM ms [376.50-377.50, 378.50-380.50, 391.50-392.50, 394.50-395.50, 416.5 ...



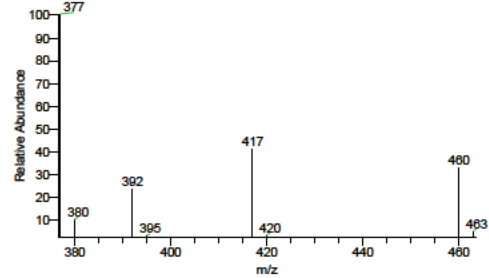
#### THC

RT: 4.25 - 4.40 SM: 9G



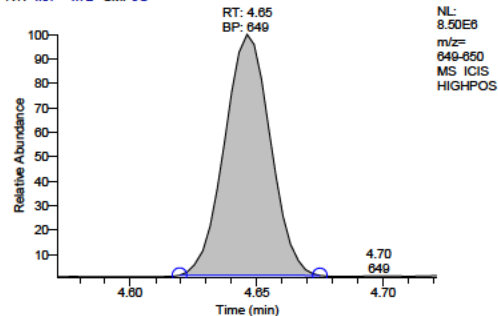
HIGHPOS #454 RT: 4.32 AV: 1 NL: 4.40E7

T: + c SIM ms [376.50-377.50, 378.50-380.50, 391.50-392.50, 394.50-395.50, 416 ...



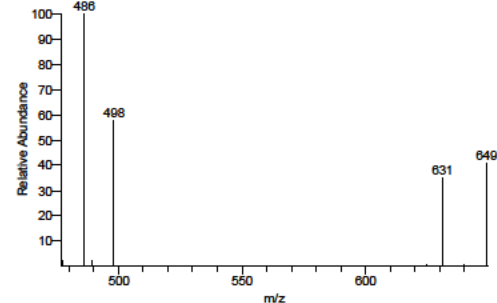
#### THC-COOH-D9

RT: 4.57 - 4.72 SM: 9G



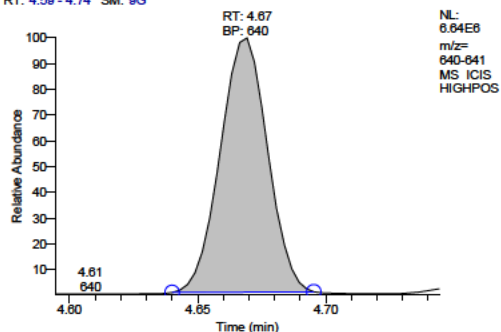
HIGHPOS #564 RT: 4.65 AV: 1 NL: 2.52E7

T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...



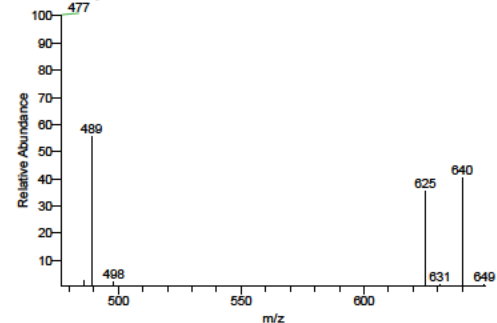
#### THC-COOH

RT: 4.59 - 4.74 SM: 9G



HIGHPOS #572 RT: 4.67 AV: 1 NL: 1.95E7

T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...



# Michigan State Police Toxicology Unit

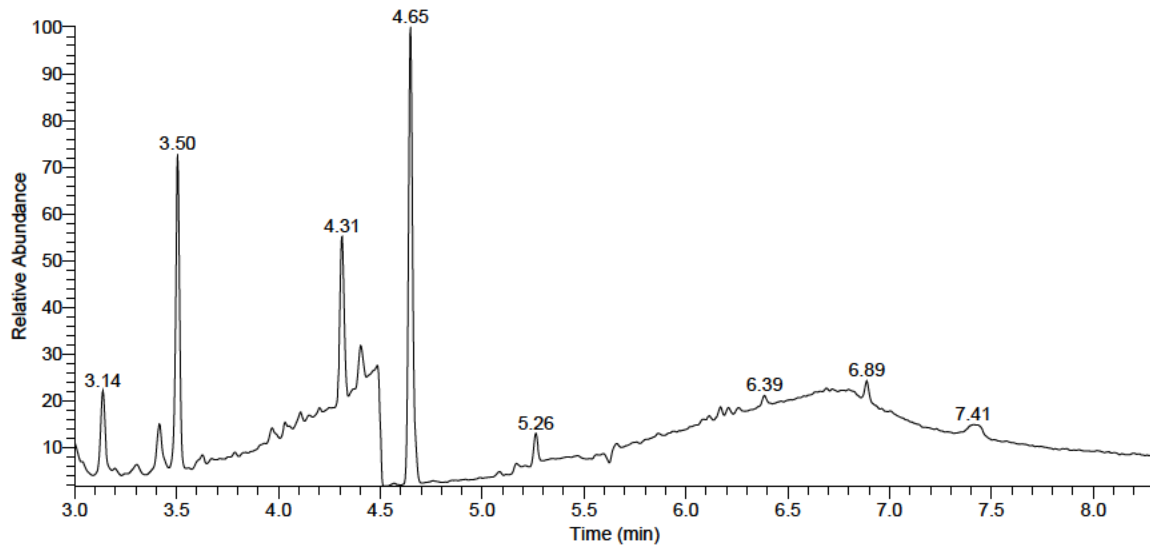
## GC/MS Cannabinoid Control Report

### LS-TX-GCMS6

**Sample ID: LOWPOS**

**File Name:** LOWPOS  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 12:11:11 PM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:23

RT: 3.00 - 8.30 SM: 9G



**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area    | Specified Amount | Calculated Amount | % Diff   |
|----------------|------|-------------------|-----------------|---------|------------------|-------------------|----------|
| THC            | 4.32 | Target compound   | Yes             | 2592837 | 3.00             | 3.04              | 1.44300  |
| THC-COOH       | 4.67 | Target compound   | Yes             | 999565  | 10.00            | 9.69              | -3.09463 |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 9485247 | 100.00           | N/A               | N/A      |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3287498 | 10.00            | N/A               | N/A      |

Amounts in ng/mL

# Michigan State Police Toxicology Unit

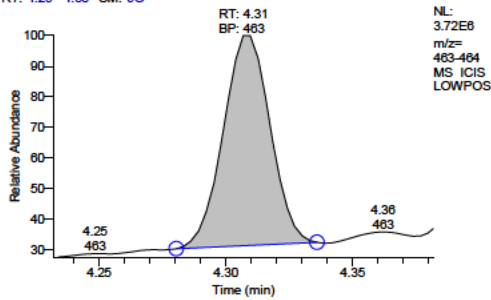
## GC/MS Cannabinoid Control Report

### LS-TX-GCMS6

Sample ID: LOWPOS

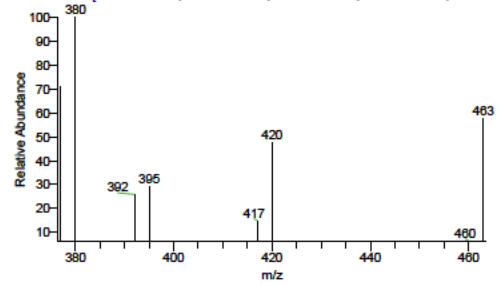
#### THC-D3

RT: 4.23 - 4.38 SM: 9G



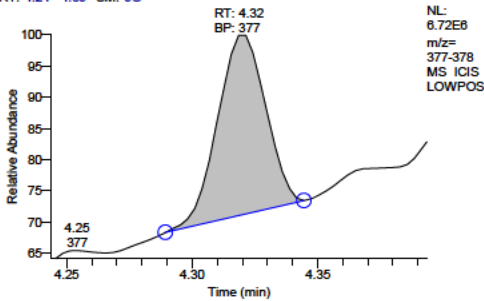
LOWPOS #449 RT: 4.31 AV: 1 NL: 7.32E8

T: + c SIM ms [376.50-377.50, 378.50-380.50, 391.50-392.50, 394.50-395.50, 416.5 ...



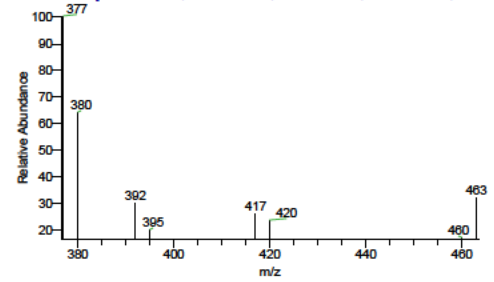
#### THC

RT: 4.24 - 4.39 SM: 9G



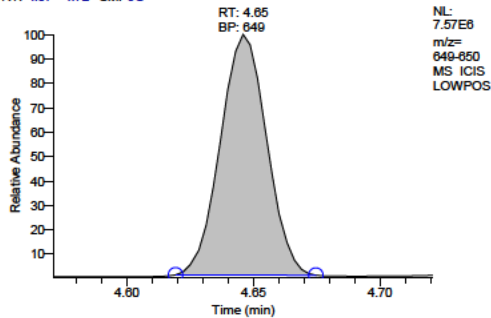
LOWPOS #453 RT: 4.32 AV: 1 NL: 7.07E8

T: + c SIM ms [376.50-377.50, 378.50-380.50, 391.50-392.50, 394.50-395.50, 416 ...



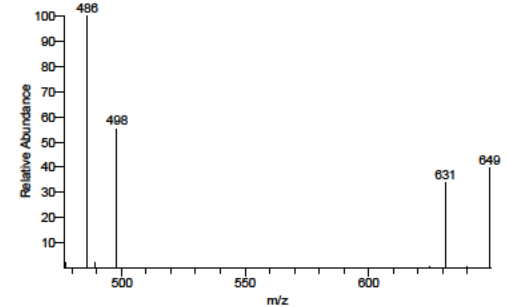
#### THC-COOH-D9

RT: 4.57 - 4.72 SM: 9G



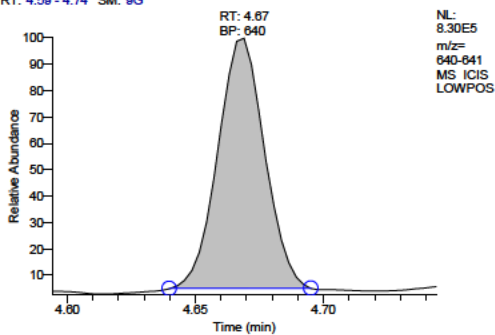
LOWPOS #504 RT: 4.65 AV: 1 NL: 2.31E7

T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...



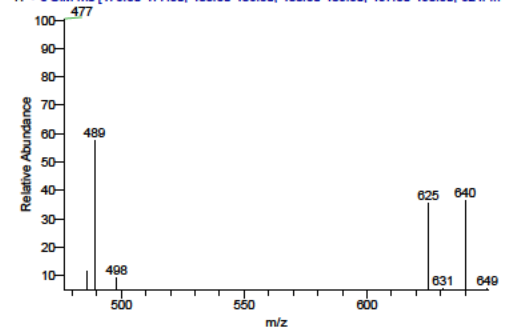
#### THC-COOH

RT: 4.59 - 4.74 SM: 9G



LOWPOS #572 RT: 4.67 AV: 1 NL: 2.75E8

T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...



# Michigan State Police Toxicology Unit

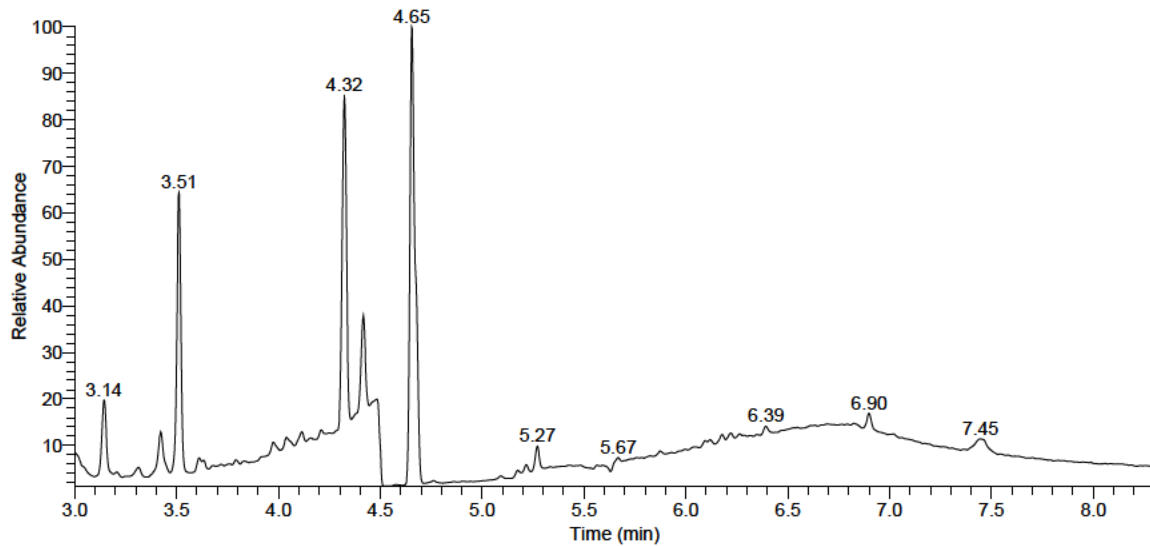
## GC/MS Cannabinoid Control Report

### LS-TX-GCMS6

**Sample ID: MEDPOS**

**File Name:** MEDPOS  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 11:10:01 AM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:10

RT: 3.00 - 8.30 SM: 9G



NL:  
 5.68E7  
 TIC MS  
 MEDPOS

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Specified Amount | Calculated Amount | % Diff  |
|----------------|------|-------------------|-----------------|----------|------------------|-------------------|---------|
| THC            | 4.33 | Target compound   | Yes             | 18378165 | 20.00            | 21.28             | 6.41856 |
| THC-COOH       | 4.67 | Target compound   | Yes             | 5272196  | 40.00            | 43.34             | 8.35219 |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 11965968 | 100.00           | N/A               | N/A     |
| THC-D3         | 4.31 | Internal Standard | Yes             | 3572499  | 10.00            | N/A               | N/A     |

Amounts in ng/mL

# Michigan State Police Toxicology Unit

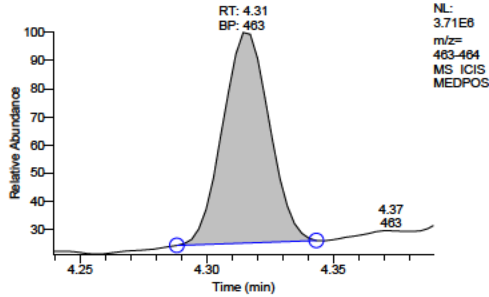
## GC/MS Cannabinoid Control Report

### LS-TX-GCMS6

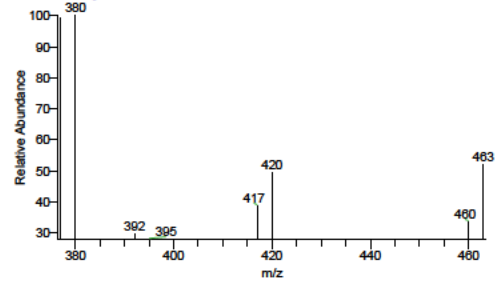
Sample ID: MEDPOS

#### THC-D3

RT: 4.24 - 4.39 SM: 9G

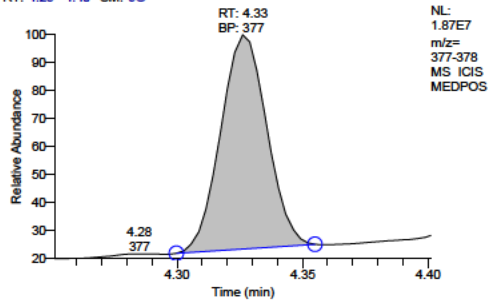


MEDPOS #451 RT: 4.31 AV: 1 NL: 8.14E8  
T: + c SIM ms [376.50-377.50, 378.50-380.50, 391.50-392.50, 394.50-395.50, 416.5 ...

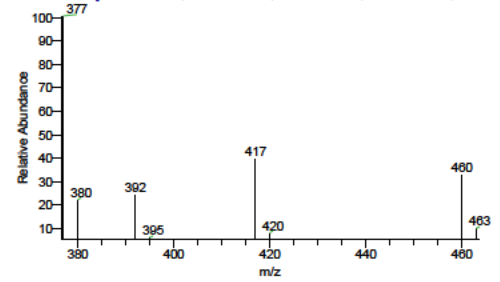


#### THC

RT: 4.25 - 4.40 SM: 9G

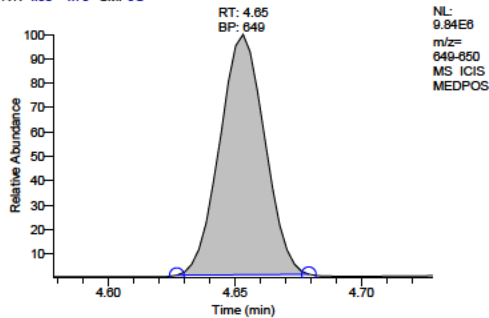


MEDPOS #455 RT: 4.33 AV: 1 NL: 2.16E7  
T: + c SIM ms [376.50-377.50, 378.50-380.50, 391.50-392.50, 394.50-395.50, 416 ...

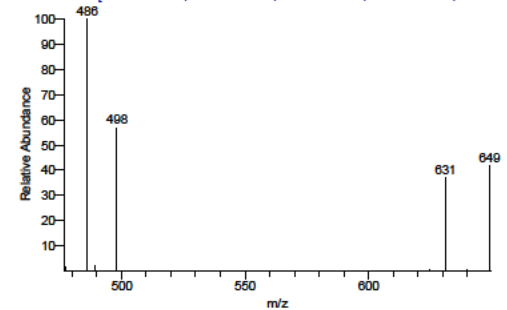


#### THC-COOH-D9

RT: 4.58 - 4.73 SM: 9G

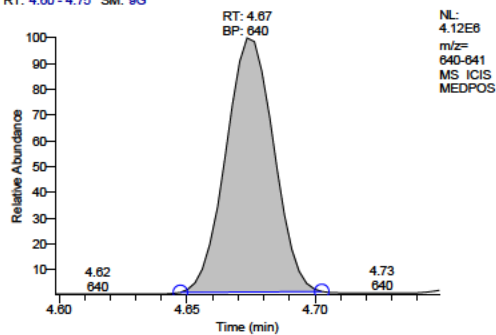


MEDPOS #506 RT: 4.65 AV: 1 NL: 2.84E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...

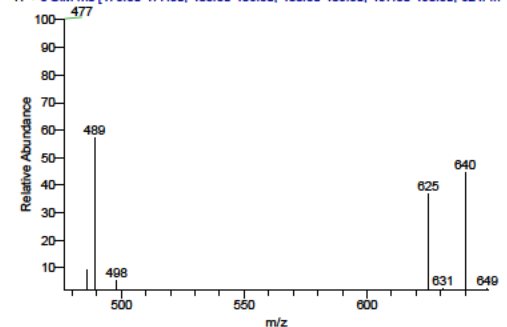


#### THC-COOH

RT: 4.60 - 4.75 SM: 9G



MEDPOS #573 RT: 4.67 AV: 1 NL: 1.08E7  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624.5 ...



# Michigan State Police Toxicology Unit

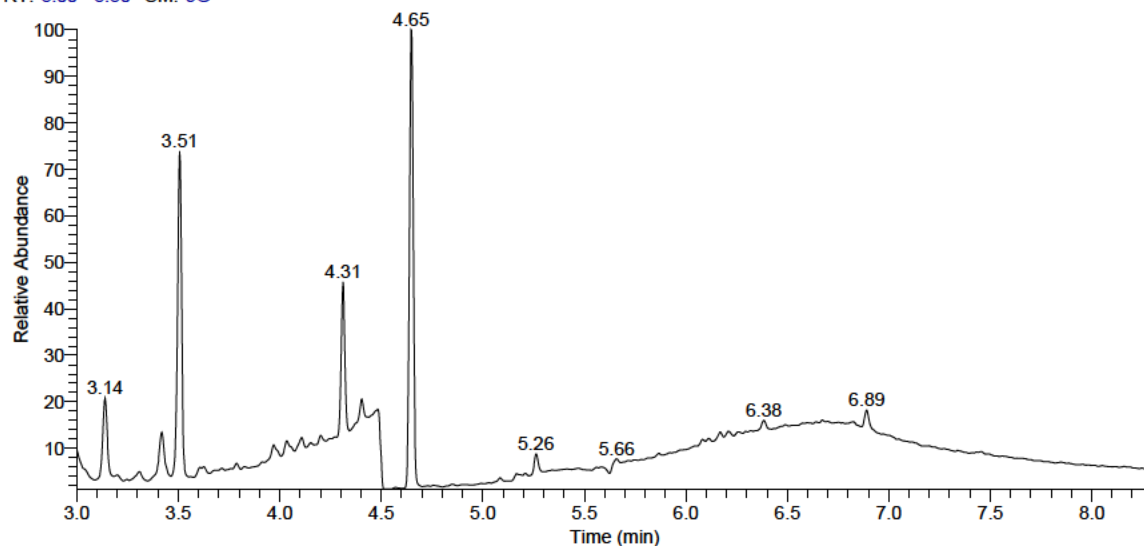
## GC/MS Cannabinoid Confirmation Report

### LS-TX-GCMS6

**Sample ID:**NEGATIVE

**File Name:** NEGATIVE  
**Data Path:** XXXXXXXXXX  
**Acquisition Date:** 08/31/22 10:42:09 AM  
**Instrument Method:** XXXXXXXXXX  
**Position:** Tray1:9

RT: 3.00 - 8.30 SM: 9G



NL:  
5.56E7  
TIC MS  
NEGATIVE

**Total Ion Chromatogram**

| Component Name | RT   | Component Type    | Component Found | Area     | Calculated Amount |
|----------------|------|-------------------|-----------------|----------|-------------------|
| THC            | N/A  | Target compound   | No              | N/A      | N/A               |
| THC-COOH       | N/A  | Target compound   | No              | N/A      | N/A               |
| THC-COOH-D9    | 4.65 | Internal Standard | Yes             | 11923635 | N/A               |
| THC-D3         | 4.31 | Internal Standard | Yes             | 4284153  | N/A               |

Amounts in ng/mL

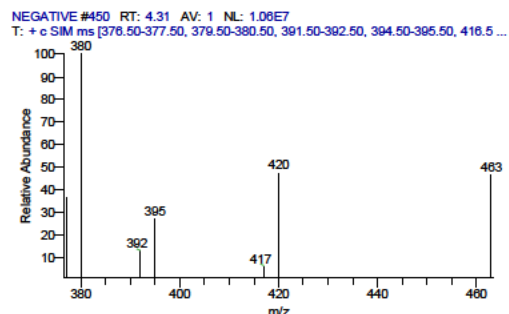
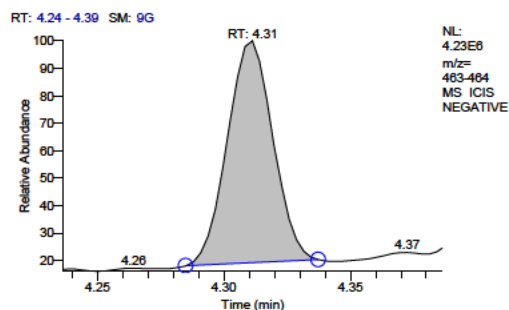
# Michigan State Police Toxicology Unit

## GC/MS Cannabinoid Confirmation Report

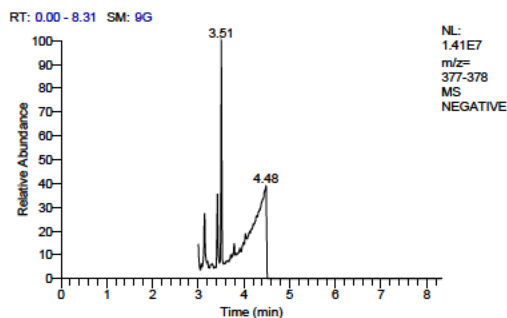
### LS-TX-GCMS6

Sample ID:NEGATIVE

#### THC-D3

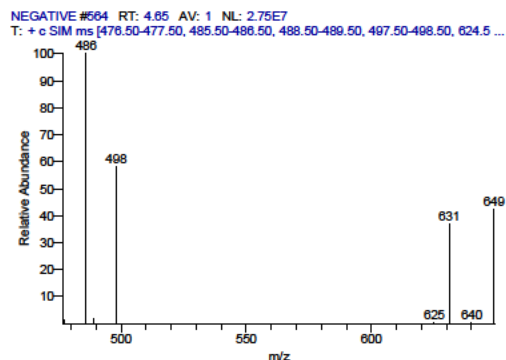
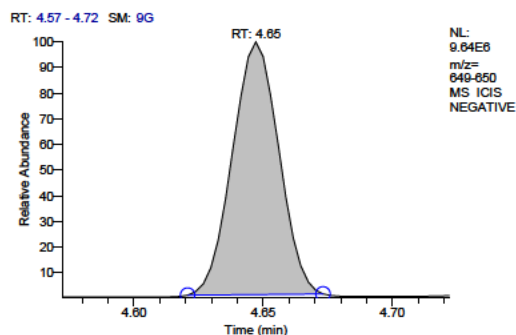


#### THC

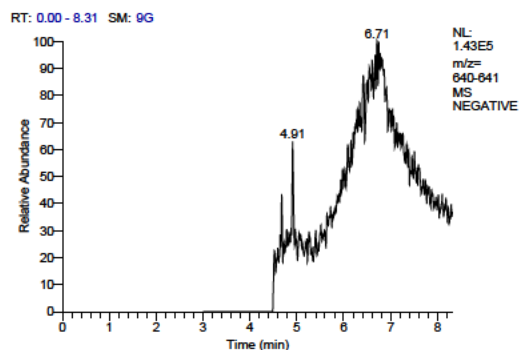


There's no data available to display this graphic object.

#### THC-COOH-D9



#### THC-COOH



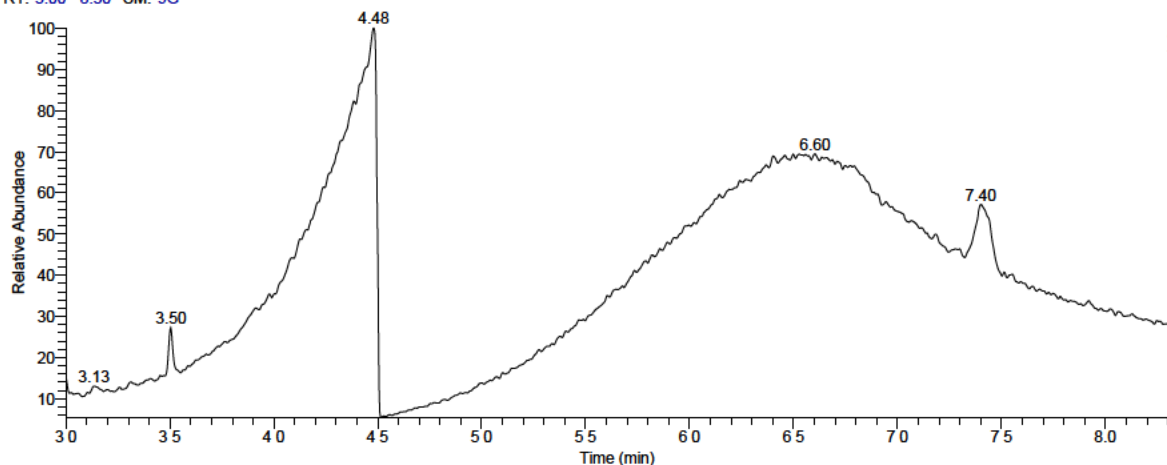
There's no data available to display this graphic object.

**Michigan State Police Toxicology Unit**  
**GC/MS Cannabinoid Confirmation Report**  
**LS-TX-GCMS6**

**Sample ID: NEGATIVE-Blank**

**File Name:** NEGATIVE-Blank  
**Data Path:** [REDACTED]  
**Acquisition Date:** 08/31/22 10:29:30 AM  
**Instrument Method:** [REDACTED]  
**Position:** Tray1:1

RT: 3.00 - 8.30 SM: 9G



NL:  
8.81E6  
TIC MS  
NEGATIVE-  
Blank

**Total Ion Chromatogram**

| Component Name | RT  | Component Type    | Component Found | Area | Calculated Amount |
|----------------|-----|-------------------|-----------------|------|-------------------|
| THC            | N/A | Target compound   | No              | N/A  | N/A               |
| THC-COOH       | N/A | Target compound   | No              | N/A  | N/A               |
| THC-COOH-D9    | N/A | Internal Standard | No              | N/A  | N/A               |
| THC-D3         | N/A | Internal Standard | No              | N/A  | N/A               |

Amounts in ng/mL



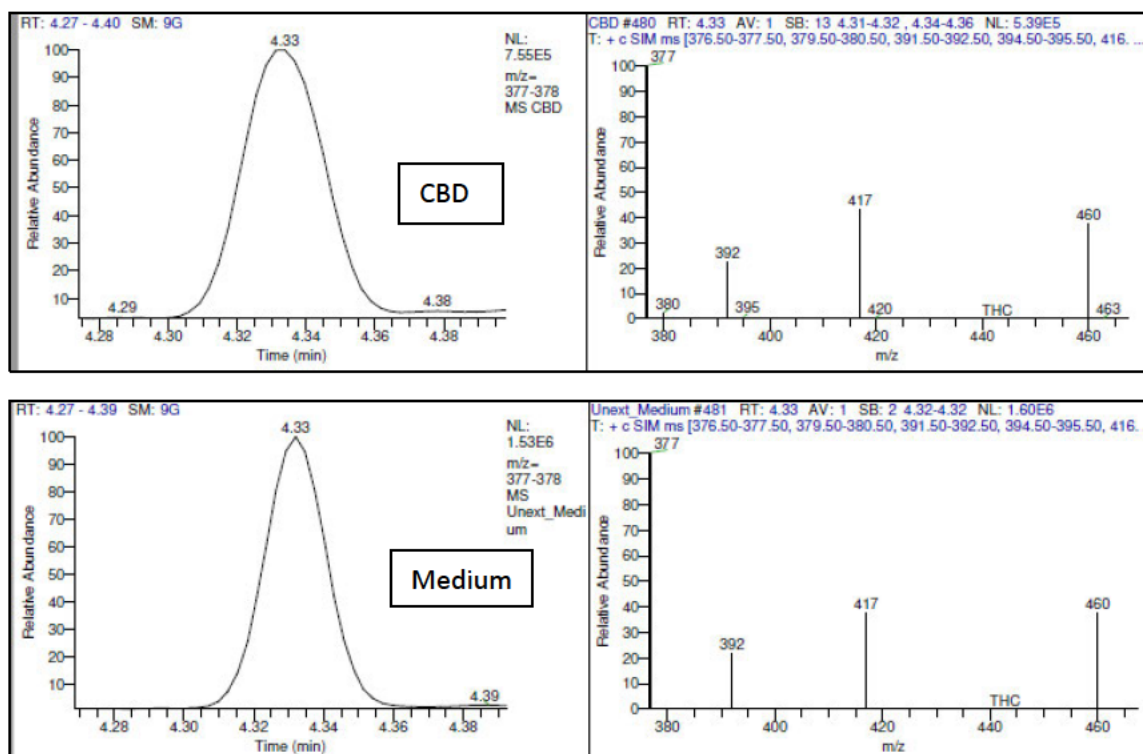
## Issue: CBD potentially converting to THC during derivatization step

**8/16/2022:** Ms. Kellogg received an email from a prosecutor regarding laboratory number TX22-6430. The prosecutor was questioning the validity of the THC result stating that the results seemed high and did not seem to correlate with the individual's behavior. He questioned whether it was possible for there to be an interference from the heart medication the individual was taking. Additionally, the screen results only indicated a + for THC-COOH, but the results confirmed THC-COOH at >100 ng/mL.

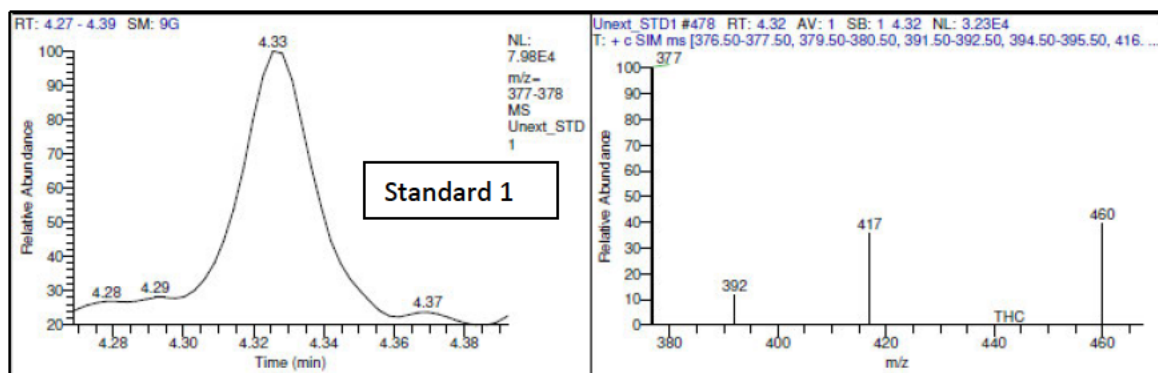
Ms. Kellogg did some research on possible THC interferences and came across an article titled: A Brief Review of Derivatization Chemistries for the Analysis of Cannabinoids Using GC-MS. The article stated that CBD was shown to convert to THC when using HFIP and TFAA for derivatization as well as when PFPA and PFPOH were used. There was no information on using HFIP and PFPA together, but this was still a cause for concern.

**08/22/2022:** An experiment was proposed to derivatize an unextracted CBD standard and determine if any THC was present. A neat CBD standard was made at 20 ng/mL. The unextracted CBD standard was derivatized both with and without internal standard. The certificate of analysis for the CBD CRM indicated that there was <0.3% THC present in the standard. Therefore, we would expect to see about 0.06 ng/mL of THC in the 20 ng/mL CBD standard. To determine if the GC-MS could even detect THC at that concentration we made a THC standard at 0.06 ng/mL and derivatized it unextracted. Lastly, an unextracted THC standard 1 (1ng/mL) and medium control (20 ng/mL) were derivatized for comparison.

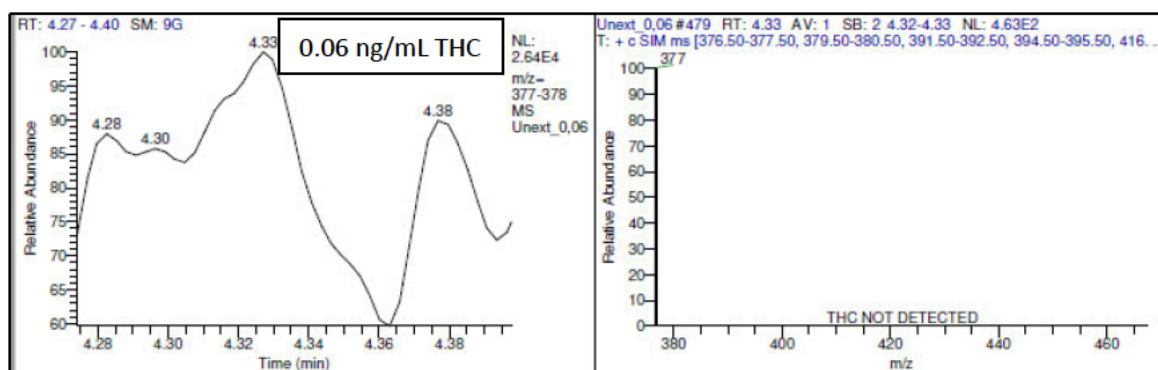
## Results:



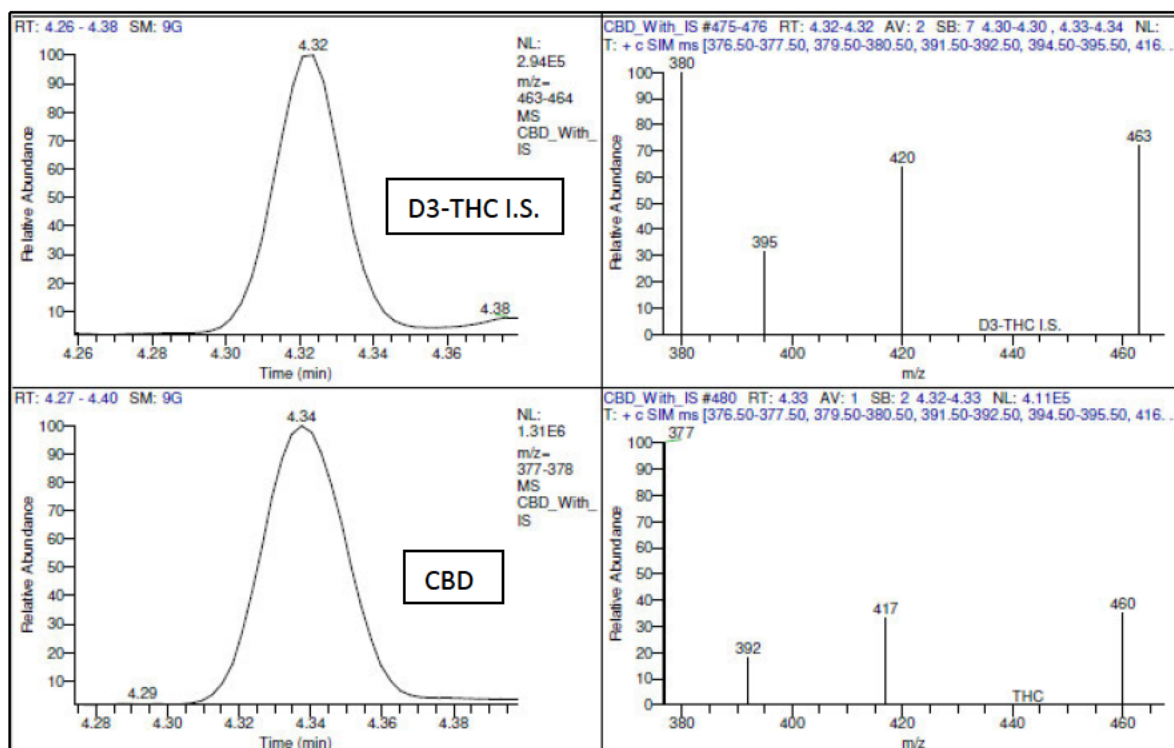
CBD sample (20 ng/mL) vs. medium THC control (20 ng/mL): Samples are undistinguishable and appear to both be positive for THC



Standard 1 THC control for reference



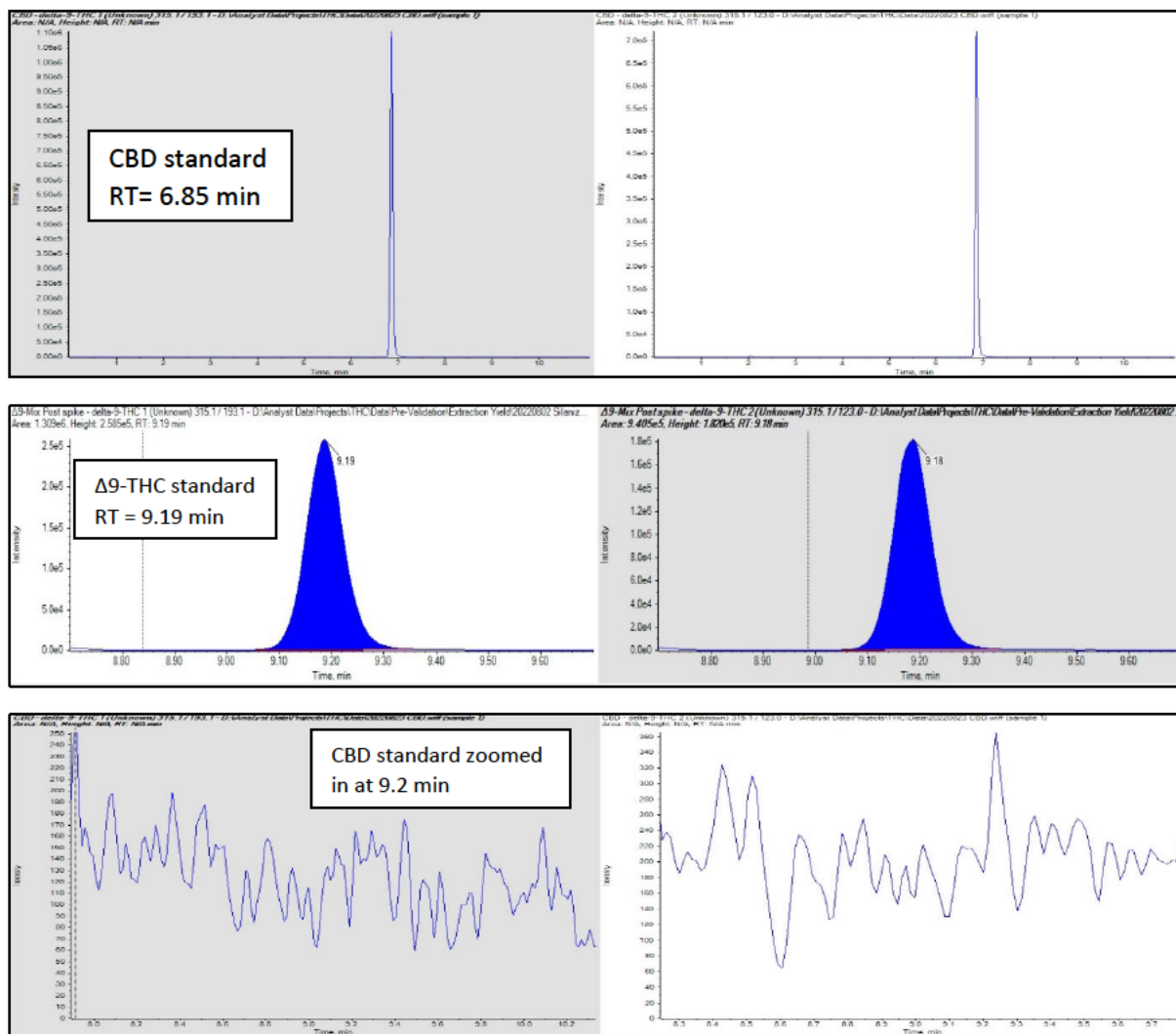
0.06 ng/mL THC sample: No THC is present in this sample indicating the positive peak from the CBD sample is from CBD converting to THC rather than THC being present in the CRM



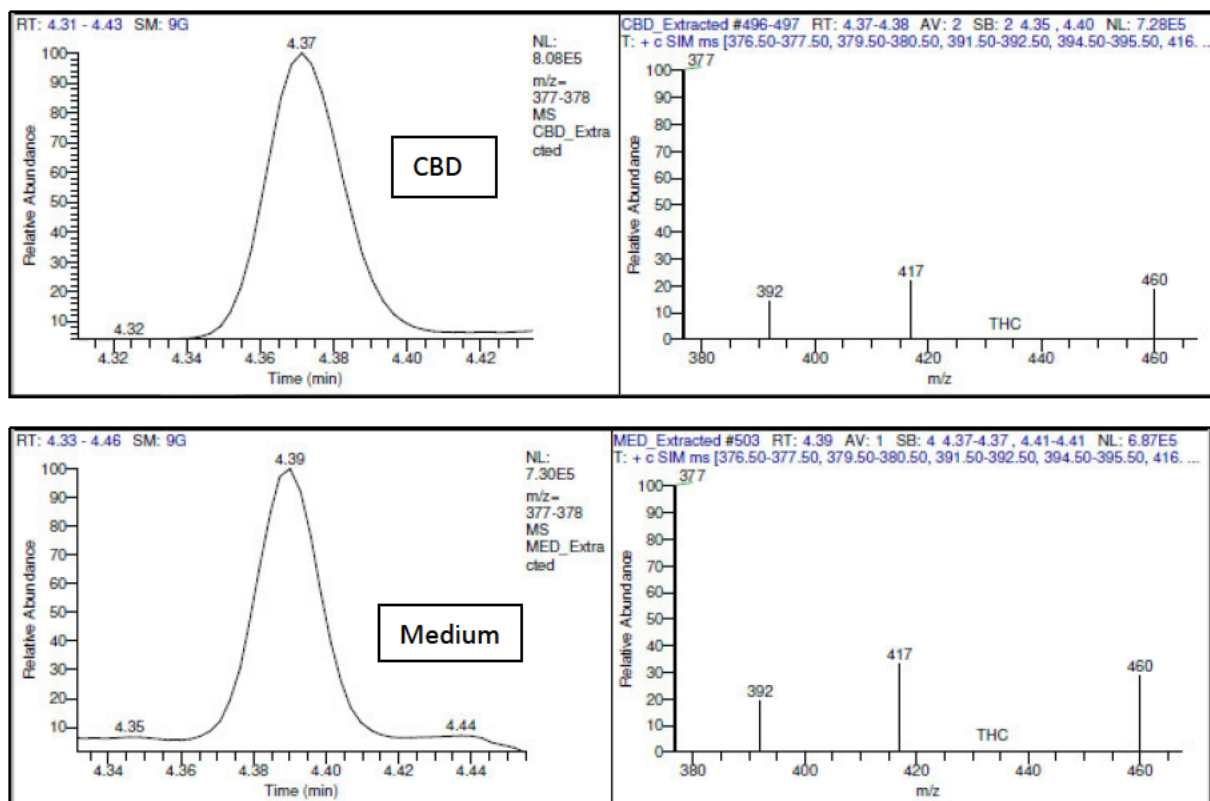
CBD sample with IS: The THC standard 1 and medium control were used to generate a two-point calibration curve to estimate how much CBD converted to THC. The 20 ng/mL CBD sample quantified at approximately 24 ng/mL of THC

**08/23/2022:** CBD was analyzed on LC-MS/MS to confirm there was no THC contamination in the CRM vial. A CBD standard was extracted with IS to confirm whether CBD is extracted using our current THC extraction method. A THC medium control was also extracted for comparison.

### Results:



No THC was detected in CBD CRM



The data above confirms that CBD does extract using the current THC method.

**Solution:** All THC casework will halt until an LC-MS/MS THC method can be validated since derivatization is not needed for LC analysis.

**Additional thoughts:** CBD-COOH also likely converts to THC-COOH during the derivatization process. It has been confirmed that CBD does not interfere with the current LC screen method. This could explain why the THC-COOH was only a single + on the screen versus the high concentration found in the confirmation analysis. Further interference studies will be completed to confirm CBD-COOH also does not interfere on the screen.

**From:** [Kellogg, Samantha \(MSP\)](#)  
**To:** [Fillinger, Nicholas \(MSP\)](#)  
**Cc:** [French, Geoffrey \(MSP\)](#); [Gill, Greta \(MSP\)](#)  
**Subject:** CBD Conversion PDF and Short Report  
**Date:** Thursday, September 1, 2022 10:02:32 AM  
**Attachments:** [CBD Conversion.pdf](#)  
[image001.png](#)  
[CBD Conversion.XLS](#)

---

As requested.

Samantha Kellogg  
Pronouns: she, her, hers  
Forensic Scientist – Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

“A **PROUD** tradition of **SERVICE** through **EXCELLENCE, INTEGRITY**, and **COURTESY**”



*Your opinion is very important to us. Please take a few moments to complete a brief survey at the following link: [MSP Forensic Science Division Customer Service Survey](#)*

*Note: The information in this email and any attachments may be confidential and privileged. If you are not the intended recipient or believe that you received this email in error, please notify the sender immediately. Correspondence referencing a case(s) may be retained as part of the laboratory case record and be subject to Freedom of Information Act requests.*

| Component Name |                    | Curve Index | Weighting Index | Origin Index | Equation                                     |            |                  |                   |       |
|----------------|--------------------|-------------|-----------------|--------------|----------------------------------------------|------------|------------------|-------------------|-------|
| THC-D3         |                    | Average RF  | Equal           | Ignore       | Average Response Factor = 351537 %RSD = 15.6 |            |                  |                   |       |
| Filename       | Sample Type        | Sample Name | Integ. Type     | Area         | ISTD Area                                    | Area Ratio | Specified Amount | Calculated Amount | %Diff |
| STD1           | Std Bracket Sample |             | User Settings   | 3461812      | NA                                           | NA         | 10.000           | NA                | NA    |
| STD2           | Std Bracket Sample |             | User Settings   | 3439926      | NA                                           | NA         | 10.000           | NA                | NA    |
| STD3           | Std Bracket Sample |             | User Settings   | 4068736      | NA                                           | NA         | 10.000           | NA                | NA    |
| STD4           | Std Bracket Sample |             | User Settings   | 4016347      | NA                                           | NA         | 10.000           | NA                | NA    |
| STD5           | Std Bracket Sample |             | User Settings   | 4560333      | NA                                           | NA         | 10.000           | NA                | NA    |
| STD6           | Std Bracket Sample |             | User Settings   | 4176253      | NA                                           | NA         | 10.000           | NA                | NA    |
| HIGHPOS        | QC Sample          |             | User Settings   | 4152243      | NA                                           | NA         | 10.000           | NA                | NA    |
| LOWPOS         | QC Sample          |             | User Settings   | 3287498      | NA                                           | NA         | 10.000           | NA                | NA    |
| MEDPOS         | QC Sample          |             | User Settings   | 3572499      | NA                                           | NA         | 10.000           | NA                | NA    |
| Beginning_Blan | Blank Sample       |             | User Settings   | NF           | NA                                           | NF         | NA               | NF                | NF    |
| NEGATIVE-Bla   | Blank Sample       |             | User Settings   | NF           | NA                                           | NF         | NA               | NF                | NF    |
| CBD-COOH40A    | Unknown Sample     |             | User Settings   | 3190836      | NA                                           | NA         | NA               | NA                | NA    |
| CBD-COOH40E    | Unknown Sample     |             | User Settings   | 2645899      | NA                                           | NA         | NA               | NA                | NA    |
| CBD-COOH40C    | Unknown Sample     |             | User Settings   | 2424638      | NA                                           | NA         | NA               | NA                | NA    |
| CBD20A         | Unknown Sample     |             | User Settings   | 3480898      | NA                                           | NA         | NA               | NA                | NA    |
| CBD20B         | Unknown Sample     |             | User Settings   | 3275512      | NA                                           | NA         | NA               | NA                | NA    |
| CBD20C         | Unknown Sample     |             | User Settings   | 3192813      | NA                                           | NA         | NA               | NA                | NA    |
| CBD40A         | Unknown Sample     |             | User Settings   | 3311357      | NA                                           | NA         | NA               | NA                | NA    |
| CBD40B         | Unknown Sample     |             | User Settings   | 3642643      | NA                                           | NA         | NA               | NA                | NA    |
| CBD40C         | Unknown Sample     |             | User Settings   | 3094680      | NA                                           | NA         | NA               | NA                | NA    |
| CBD5A          | Unknown Sample     |             | User Settings   | 3833063      | NA                                           | NA         | NA               | NA                | NA    |
| CBD5B          | Unknown Sample     |             | User Settings   | 3486532      | NA                                           | NA         | NA               | NA                | NA    |
| CBD5C          | Unknown Sample     |             | User Settings   | 2739378      | NA                                           | NA         | NA               | NA                | NA    |
| NEGATIVE       | Unknown Sample     |             | User Settings   | 4284153      | NA                                           | NA         | NA               | NA                | NA    |

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**Component Na**

THC-D3

| Filename       | %RSD-AMT | Peak Status | Level  | Units | RT   | Sample ID       |
|----------------|----------|-------------|--------|-------|------|-----------------|
| STD1           | NA       |             | 1      | ng/mL | 4.31 | STD1            |
| STD2           | NA       |             | 2      | ng/mL | 4.31 | STD2            |
| STD3           | NA       |             | 3      | ng/mL | 4.31 | STD3            |
| STD4           | NA       |             | 4      | ng/mL | 4.31 | STD4            |
| STD5           | NA       |             | 5      | ng/mL | 4.31 | STD5            |
| STD6           | NA       |             | 6      | ng/mL | 4.31 | STD6            |
| HIGHPOS        | NA       |             | High   | ng/mL | 4.31 | HIGHPOS         |
| LOWPOS         | NA       |             | Low    | ng/mL | 4.31 | LOWPOS          |
| MEDPOS         | NA       |             | Medium | ng/mL | 4.31 | MEDPOS          |
| Beginning_Blan | NF       | Not Found   | NA     | ng/mL | NF   | Beginning_Blank |
| NEGATIVE-Bla   | NF       | Not Found   | NA     | ng/mL | NF   | NEGATIVE-Blank  |
| CBD-COOH40A    | NA       |             | NA     | ng/mL | 4.31 | CBD-COOH40A     |
| CBD-COOH40E    | NA       |             | NA     | ng/mL | 4.31 | CBD-COOH40B     |
| CBD-COOH40C    | NA       |             | NA     | ng/mL | 4.31 | CBD-COOH40C     |
| CBD20A         | NA       |             | NA     | ng/mL | 4.31 | CBD20A          |
| CBD20B         | NA       |             | NA     | ng/mL | 4.31 | CBD20B          |
| CBD20C         | NA       |             | NA     | ng/mL | 4.31 | CBD20C          |
| CBD40A         | NA       |             | NA     | ng/mL | 4.31 | CBD40A          |
| CBD40B         | NA       |             | NA     | ng/mL | 4.31 | CBD40B          |
| CBD40C         | NA       |             | NA     | ng/mL | 4.31 | CBD40C          |
| CBD5A          | NA       |             | NA     | ng/mL | 4.31 | CBD5A           |
| CBD5B          | NA       |             | NA     | ng/mL | 4.31 | CBD5B           |
| CBD5C          | NA       |             | NA     | ng/mL | 4.31 | CBD5C           |
| NEGATIVE       | NA       |             | NA     | ng/mL | 4.31 | NEGATIVE        |

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| Component Name | Curve Index | Weighting Index | Origin Index | Equation                                     |
|----------------|-------------|-----------------|--------------|----------------------------------------------|
| THC            | Linear      | 1/X             | Ignore       | $Y = 0.061986 + 0.238791 * X$ $R^2 = 0.9990$ |

| Filename       | Sample Type        | Sample Name | Integ. Type   | Area     | ISTD Area | Area Ratio | Specified Amount | Calculated Amount | %Diff |
|----------------|--------------------|-------------|---------------|----------|-----------|------------|------------------|-------------------|-------|
| STD1           | Std Bracket Sample |             | User Settings | 967948   | 3461812   | 0.280      | 1.000            | 0.911             | -9%   |
| STD2           | Std Bracket Sample |             | User Settings | 2326058  | 3439926   | 0.676      | 2.500            | 2.572             | 3%    |
| STD3           | Std Bracket Sample |             | User Settings | 5129927  | 4068736   | 1.261      | 5.000            | 5.020             | 0%    |
| STD4           | Std Bracket Sample |             | User Settings | 10417648 | 4016347   | 2.594      | 10.000           | 10.603            | 6%    |
| STD5           | Std Bracket Sample |             | User Settings | 27919099 | 4560333   | 6.122      | 25.000           | 25.379            | 2%    |
| STD6           | Std Bracket Sample |             | User Settings | 49138970 | 4176253   | 11.766     | 50.000           | 49.015            | -2%   |
| HIGHPOS        | QC Sample          |             | User Settings | 41020826 | 4152243   | 9.879      | 40.000           | 41.112            | 3%    |
| LOWPOS         | QC Sample          |             | User Settings | 2592837  | 3287498   | 0.789      | 3.000            | 3.043             | 1%    |
| MEDPOS         | QC Sample          |             | User Settings | 18378165 | 3572499   | 5.144      | 20.000           | 21.284            | 6%    |
| Beginning_Blan | Blank Sample       |             | User Settings | NF       | 0         | NF         | NA               | NF                | NF    |
| NEGATIVE-Bla   | Blank Sample       |             | User Settings | NF       | 0         | NF         | NA               | NF                | NF    |
| CBD-COOH40A    | Unknown Sample     |             | User Settings | NF       | 3190836   | NF         | NA               | NF                | NF    |
| CBD-COOH40E    | Unknown Sample     |             | User Settings | NF       | 2645899   | NF         | NA               | NF                | NF    |
| CBD-COOH40C    | Unknown Sample     |             | User Settings | NF       | 2424638   | NF         | NA               | NF                | NF    |
| CBD20A         | Unknown Sample     |             | User Settings | 29910660 | 3480898   | 8.593      | NA               | 35.725            | NA    |
| CBD20B         | Unknown Sample     |             | User Settings | 25617761 | 3275512   | 7.821      | NA               | 32.493            | NA    |
| CBD20C         | Unknown Sample     |             | User Settings | 27709601 | 3192813   | 8.679      | NA               | 36.085            | NA    |
| CBD40A         | Unknown Sample     |             | User Settings | 52294411 | 3311357   | 15.792     | NA               | 65.875            | NA    |
| CBD40B         | Unknown Sample     |             | User Settings | 59239489 | 3642643   | 16.263     | NA               | 67.845            | NA    |
| CBD40C         | Unknown Sample     |             | User Settings | 52028779 | 3094680   | 16.812     | NA               | 70.146            | NA    |
| CBD5A          | Unknown Sample     |             | User Settings | 8351336  | 3833063   | 2.179      | NA               | 8.865             | NA    |
| CBD5B          | Unknown Sample     |             | User Settings | 7148015  | 3486532   | 2.050      | NA               | 8.326             | NA    |
| CBD5C          | Unknown Sample     |             | User Settings | 6775797  | 2739378   | 2.473      | NA               | 10.099            | NA    |
| NEGATIVE       | Unknown Sample     |             | User Settings | NF       | 4284153   | NF         | NA               | NF                | NF    |

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**Component Na**  
THC

| Filename       | %RSD-AMT | Peak Status   | Level  | Units | RT   | Sample ID       |
|----------------|----------|---------------|--------|-------|------|-----------------|
| STD1           | 0.0%     | Response Low  | 1      | ng/mL | 4.32 | STD1            |
| STD2           | 0.0%     |               | 2      | ng/mL | 4.32 | STD2            |
| STD3           | 0.0%     |               | 3      | ng/mL | 4.32 | STD3            |
| STD4           | 0.0%     |               | 4      | ng/mL | 4.32 | STD4            |
| STD5           | 0.0%     |               | 5      | ng/mL | 4.32 | STD5            |
| STD6           | 0.0%     |               | 6      | ng/mL | 4.32 | STD6            |
| HIGHPOS        | 0.0%     |               | High   | ng/mL | 4.32 | HIGHPOS         |
| LOWPOS         | 0.0%     |               | Low    | ng/mL | 4.32 | LOWPOS          |
| MEDPOS         | 0.0%     |               | Medium | ng/mL | 4.33 | MEDPOS          |
| Beginning_Blan | NF       | Not Found     | NA     | ng/mL | NF   | Beginning_Blank |
| NEGATIVE-Bla   | NF       | Not Found     | NA     | ng/mL | NF   | NEGATIVE-Blank  |
| CBD-COOH40A    | NF       | Not Found     | NA     | ng/mL | NF   | CBD-COOH40A     |
| CBD-COOH40E    | NF       | Not Found     | NA     | ng/mL | NF   | CBD-COOH40B     |
| CBD-COOH40C    | NF       | Not Found     | NA     | ng/mL | NF   | CBD-COOH40C     |
| CBD20A         | NA       |               | NA     | ng/mL | 4.32 | CBD20A          |
| CBD20B         | NA       |               | NA     | ng/mL | 4.32 | CBD20B          |
| CBD20C         | NA       |               | NA     | ng/mL | 4.32 | CBD20C          |
| CBD40A         | NA       | Response High | NA     | ng/mL | 4.33 | CBD40A          |
| CBD40B         | NA       | Response High | NA     | ng/mL | 4.32 | CBD40B          |
| CBD40C         | NA       | Response High | NA     | ng/mL | 4.32 | CBD40C          |
| CBD5A          | NA       |               | NA     | ng/mL | 4.33 | CBD5A           |
| CBD5B          | NA       |               | NA     | ng/mL | 4.32 | CBD5B           |
| CBD5C          | NA       |               | NA     | ng/mL | 4.32 | CBD5C           |
| NEGATIVE       | NF       | Not Found     | NA     | ng/mL | NF   | NEGATIVE        |

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| Component Name |                    | Curve Index | Weighting Index | Origin Index | Equation                                      |            |                  |                   |       |
|----------------|--------------------|-------------|-----------------|--------------|-----------------------------------------------|------------|------------------|-------------------|-------|
| THC-COOH-D9    |                    | Average RF  | Equal           | Ignore       | Average Response Factor = 99123.9 %RSD = 13.0 |            |                  |                   |       |
| Filename       | Sample Type        | Sample Name | Integ. Type     | Area         | ISTD Area                                     | Area Ratio | Specified Amount | Calculated Amount | %Diff |
| STD1           | Std Bracket Sample |             | User Settings   | 10012769     | NA                                            | NA         | 100.000          | NA                | NA    |
| STD2           | Std Bracket Sample |             | User Settings   | 10045251     | NA                                            | NA         | 100.000          | NA                | NA    |
| STD3           | Std Bracket Sample |             | User Settings   | 10924406     | NA                                            | NA         | 100.000          | NA                | NA    |
| STD4           | Std Bracket Sample |             | User Settings   | 10655171     | NA                                            | NA         | 100.000          | NA                | NA    |
| STD5           | Std Bracket Sample |             | User Settings   | 12678407     | NA                                            | NA         | 100.000          | NA                | NA    |
| STD6           | Std Bracket Sample |             | User Settings   | 10443973     | NA                                            | NA         | 100.000          | NA                | NA    |
| HIGHPOS        | QC Sample          |             | User Settings   | 10561598     | NA                                            | NA         | 100.000          | NA                | NA    |
| LOWPOS         | QC Sample          |             | User Settings   | 9485247      | NA                                            | NA         | 100.000          | NA                | NA    |
| MEDPOS         | QC Sample          |             | User Settings   | 11965968     | NA                                            | NA         | 100.000          | NA                | NA    |
| Beginning_Blan | Blank Sample       |             | User Settings   | NF           | NA                                            | NF         | NA               | NF                | NF    |
| NEGATIVE-Bla   | Blank Sample       |             | User Settings   | NF           | NA                                            | NF         | NA               | NF                | NF    |
| CBD-COOH40A    | Unknown Sample     |             | User Settings   | 9334202      | NA                                            | NA         | NA               | NA                | NA    |
| CBD-COOH40E    | Unknown Sample     |             | User Settings   | 9132549      | NA                                            | NA         | NA               | NA                | NA    |
| CBD-COOH40C    | Unknown Sample     |             | User Settings   | 7923903      | NA                                            | NA         | NA               | NA                | NA    |
| CBD20A         | Unknown Sample     |             | User Settings   | 10863756     | NA                                            | NA         | NA               | NA                | NA    |
| CBD20B         | Unknown Sample     |             | User Settings   | 9578635      | NA                                            | NA         | NA               | NA                | NA    |
| CBD20C         | Unknown Sample     |             | User Settings   | 9238509      | NA                                            | NA         | NA               | NA                | NA    |
| CBD40A         | Unknown Sample     |             | User Settings   | 8665987      | NA                                            | NA         | NA               | NA                | NA    |
| CBD40B         | Unknown Sample     |             | User Settings   | 9075271      | NA                                            | NA         | NA               | NA                | NA    |
| CBD40C         | Unknown Sample     |             | User Settings   | 8020392      | NA                                            | NA         | NA               | NA                | NA    |
| CBD5A          | Unknown Sample     |             | User Settings   | 10467641     | NA                                            | NA         | NA               | NA                | NA    |
| CBD5B          | Unknown Sample     |             | User Settings   | 8586173      | NA                                            | NA         | NA               | NA                | NA    |
| CBD5C          | Unknown Sample     |             | User Settings   | 8489075      | NA                                            | NA         | NA               | NA                | NA    |
| NEGATIVE       | Unknown Sample     |             | User Settings   | 11923635     | NA                                            | NA         | NA               | NA                | NA    |

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**Component Na**

THC-COOH-D9

| Filename       | %RSD-AMT | Peak Status | Level  | Units | RT   | Sample ID       |
|----------------|----------|-------------|--------|-------|------|-----------------|
| STD1           | NA       |             | 1      |       | 4.65 | STD1            |
| STD2           | NA       |             | 2      |       | 4.65 | STD2            |
| STD3           | NA       |             | 3      |       | 4.65 | STD3            |
| STD4           | NA       |             | 4      |       | 4.65 | STD4            |
| STD5           | NA       |             | 5      |       | 4.65 | STD5            |
| STD6           | NA       |             | 6      |       | 4.65 | STD6            |
| HIGHPOS        | NA       |             | High   |       | 4.65 | HIGHPOS         |
| LOWPOS         | NA       |             | Low    |       | 4.65 | LOWPOS          |
| MEDPOS         | NA       |             | Medium |       | 4.65 | MEDPOS          |
| Beginning_Blan | NF       | Not Found   | NA     |       | NF   | Beginning_Blank |
| NEGATIVE-Bla   | NF       | Not Found   | NA     |       | NF   | NEGATIVE-Blank  |
| CBD-COOH40A    | NA       |             | NA     |       | 4.65 | CBD-COOH40A     |
| CBD-COOH40E    | NA       |             | NA     |       | 4.65 | CBD-COOH40B     |
| CBD-COOH40C    | NA       |             | NA     |       | 4.64 | CBD-COOH40C     |
| CBD20A         | NA       |             | NA     |       | 4.65 | CBD20A          |
| CBD20B         | NA       |             | NA     |       | 4.65 | CBD20B          |
| CBD20C         | NA       |             | NA     |       | 4.65 | CBD20C          |
| CBD40A         | NA       |             | NA     |       | 4.65 | CBD40A          |
| CBD40B         | NA       |             | NA     |       | 4.64 | CBD40B          |
| CBD40C         | NA       |             | NA     |       | 4.64 | CBD40C          |
| CBD5A          | NA       |             | NA     |       | 4.65 | CBD5A           |
| CBD5B          | NA       |             | NA     |       | 4.65 | CBD5B           |
| CBD5C          | NA       |             | NA     |       | 4.65 | CBD5C           |
| NEGATIVE       | NA       |             | NA     |       | 4.65 | NEGATIVE        |

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| Component Name |                    | Curve Index | Weighting Index | Origin Index | Equation                                 |            |                  |                   |       |
|----------------|--------------------|-------------|-----------------|--------------|------------------------------------------|------------|------------------|-------------------|-------|
| THC-COOH       |                    | Linear      | 1/X             | Ignore       | Y = 0.00884574+0.00996181*X R^2 = 0.9994 |            |                  |                   |       |
| Filename       | Sample Type        | Sample Name | Integ. Type     | Area         | ISTD Area                                | Area Ratio | Specified Amount | Calculated Amount | %Diff |
| STD1           | Std Bracket Sample |             | User Settings   | 568105       | 10012769                                 | 0.057      | 5.000            | 4.808             | -4%   |
| STD2           | Std Bracket Sample |             | User Settings   | 1101550      | 10045251                                 | 0.110      | 10.000           | 10.120            | 1%    |
| STD3           | Std Bracket Sample |             | User Settings   | 2847553      | 10924406                                 | 0.261      | 25.000           | 25.278            | 1%    |
| STD4           | Std Bracket Sample |             | User Settings   | 5589356      | 10655171                                 | 0.525      | 50.000           | 51.770            | 4%    |
| STD5           | Std Bracket Sample |             | User Settings   | 9574187      | 12678407                                 | 0.755      | 75.000           | 74.917            | 0%    |
| STD6           | Std Bracket Sample |             | User Settings   | 10299556     | 10443973                                 | 0.986      | 100.000          | 98.107            | -2%   |
| HIGHPOS        | QC Sample          |             | User Settings   | 8410777      | 10561598                                 | 0.796      | 80.000           | 79.053            | -1%   |
| LOWPOS         | QC Sample          |             | User Settings   | 999565       | 9485247                                  | 0.105      | 10.000           | 9.691             | -3%   |
| MEDPOS         | QC Sample          |             | User Settings   | 5272196      | 11965968                                 | 0.441      | 40.000           | 43.341            | 8%    |
| Beginning_Blan | Blank Sample       |             | User Settings   | NF           | 0                                        | NF         | NA               | NF                | NF    |
| NEGATIVE-Bla   | Blank Sample       |             | User Settings   | NF           | 0                                        | NF         | NA               | NF                | NF    |
| CBD-COOH40A    | Unknown Sample     |             | User Settings   | 4159126      | 9334202                                  | 0.446      | NA               | 43.841            | NA    |
| CBD-COOH40E    | Unknown Sample     |             | User Settings   | 4484060      | 9132549                                  | 0.491      | NA               | 48.400            | NA    |
| CBD-COOH40C    | Unknown Sample     |             | User Settings   | 3694920      | 7923903                                  | 0.466      | NA               | 45.921            | NA    |
| CBD20A         | Unknown Sample     |             | User Settings   | NF           | 10863756                                 | NF         | NA               | NF                | NF    |
| CBD20B         | Unknown Sample     |             | User Settings   | NF           | 9578635                                  | NF         | NA               | NF                | NF    |
| CBD20C         | Unknown Sample     |             | User Settings   | NF           | 9238509                                  | NF         | NA               | NF                | NF    |
| CBD40A         | Unknown Sample     |             | User Settings   | NF           | 8665987                                  | NF         | NA               | NF                | NF    |
| CBD40B         | Unknown Sample     |             | User Settings   | NF           | 9075271                                  | NF         | NA               | NF                | NF    |
| CBD40C         | Unknown Sample     |             | User Settings   | NF           | 8020392                                  | NF         | NA               | NF                | NF    |
| CBD5A          | Unknown Sample     |             | User Settings   | NF           | 10467641                                 | NF         | NA               | NF                | NF    |
| CBD5B          | Unknown Sample     |             | User Settings   | NF           | 8586173                                  | NF         | NA               | NF                | NF    |
| CBD5C          | Unknown Sample     |             | User Settings   | NF           | 8489075                                  | NF         | NA               | NF                | NF    |
| NEGATIVE       | Unknown Sample     |             | User Settings   | NF           | 11923635                                 | NF         | NA               | NF                | NF    |

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**Component Na**  
THC-COOH

| Filename       | %RSD-AMT | Peak Status  | Level  | Units | RT   | Sample ID       |
|----------------|----------|--------------|--------|-------|------|-----------------|
| STD1           | 0.0%     | Response Low | 1      | ng/mL | 4.67 | STD1            |
| STD2           | 0.0%     |              | 2      | ng/mL | 4.67 | STD2            |
| STD3           | 0.0%     |              | 3      | ng/mL | 4.67 | STD3            |
| STD4           | 0.0%     |              | 4      | ng/mL | 4.67 | STD4            |
| STD5           | 0.0%     |              | 5      | ng/mL | 4.67 | STD5            |
| STD6           | 0.0%     |              | 6      | ng/mL | 4.67 | STD6            |
| HIGHPOS        | 0.0%     |              | High   | ng/mL | 4.67 | HIGHPOS         |
| LOWPOS         | 0.0%     |              | Low    | ng/mL | 4.67 | LOWPOS          |
| MEDPOS         | 0.0%     |              | Medium | ng/mL | 4.67 | MEDPOS          |
| Beginning_Blan | NF       | Not Found    | NA     | ng/mL | NF   | Beginning_Blank |
| NEGATIVE-Bla   | NF       | Not Found    | NA     | ng/mL | NF   | NEGATIVE-Blank  |
| CBD-COOH40A    | NA       |              | NA     | ng/mL | 4.67 | CBD-COOH40A     |
| CBD-COOH40B    | NA       |              | NA     | ng/mL | 4.67 | CBD-COOH40B     |
| CBD-COOH40C    | NA       |              | NA     | ng/mL | 4.67 | CBD-COOH40C     |
| CBD20A         | NF       | Not Found    | NA     | ng/mL | NF   | CBD20A          |
| CBD20B         | NF       | Not Found    | NA     | ng/mL | NF   | CBD20B          |
| CBD20C         | NF       | Not Found    | NA     | ng/mL | NF   | CBD20C          |
| CBD40A         | NF       | Not Found    | NA     | ng/mL | NF   | CBD40A          |
| CBD40B         | NF       | Not Found    | NA     | ng/mL | NF   | CBD40B          |
| CBD40C         | NF       | Not Found    | NA     | ng/mL | NF   | CBD40C          |
| CBD5A          | NF       | Not Found    | NA     | ng/mL | NF   | CBD5A           |
| CBD5B          | NF       | Not Found    | NA     | ng/mL | NF   | CBD5B           |
| CBD5C          | NF       | Not Found    | NA     | ng/mL | NF   | CBD5C           |
| NEGATIVE       | NF       | Not Found    | NA     | ng/mL | NF   | NEGATIVE        |

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## Cannabidiol (CBD) to THC Conversion Problem

To our Criminal Justice Stakeholders throughout Michigan,

The Michigan State Police Forensic Science Division's (MSP FSD) Toxicology Discipline has for many years used a specific procedure to prepare blood samples for the analysis of different compounds, including tetrahydrocannabinol (THC).

To prepare a blood sample to be tested for the presence of THC in a GC/MS instrument, a derivatizing reagent must be used to modify the THC slightly so it has properties that make it most suitable for detection and quantification within the instrument.

The toxicology unit discovered on August 22, 2022, that the derivatizing reagent that they have been using for a long time was probably also having the effect of converting any cannabidiol (CBD) within a blood sample into THC. CBD is not controlled nor is it the subject of OUID cases because it is not considered to be psychoactive; THC is obviously controlled and is frequently a subject of OUID cases.

Testing was done this week to confirm whether this phenomenon was occurring. Thus far, it appears that the method and derivatizing reagent is indeed converting CBD in blood samples into THC at a very high rate.

Here are the resulting problems:

If a person had ONLY taken CBD:

If only CBD was in a blood sample, it would be converted to THC in this method and incorrectly reported as THC.

If a person had taken BOTH CBD and THC:

Most of the CBD would be converted to THC, increasing the quantified levels of THC in the sample.

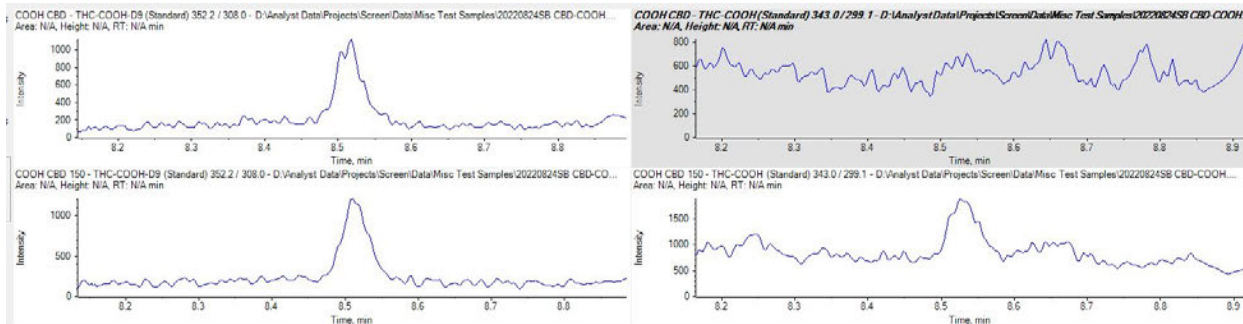
For this reason, we cannot trust the reported THC quantities from any cases where this instrument method and reagent were used and are strongly urging prosecutors who have cases pending to act appropriately on this information.

This problem only relates to CBD and THC. Other legal issues may be considered like the presence of other drug types in a sample and visible impairment.

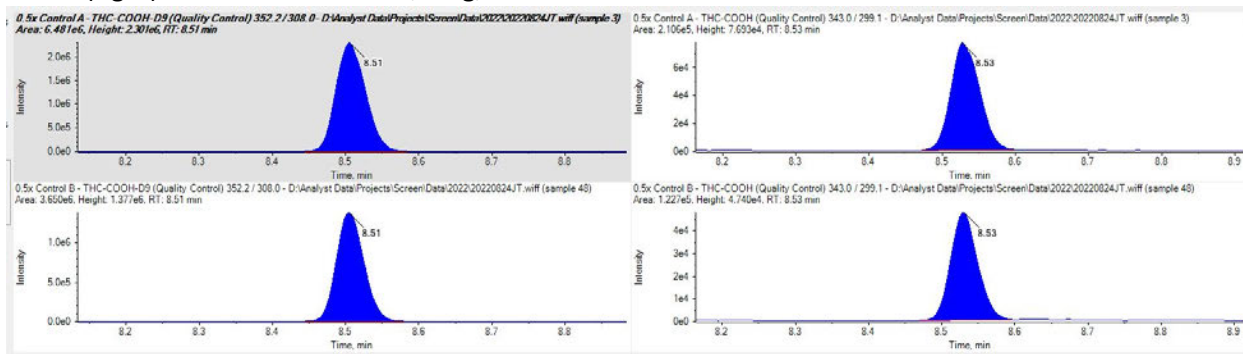
We are continuing to gather additional facts and analyses surrounding this testing issue and will be placing an official notification to stakeholders as soon as we can.

On August 24, 2022 I ran two neat samples, one at 15 ng/mL and one at 150 ng/mL of 7-COOH-CBD on the LCMSMS Screen method. This was from lot number FN04152105.

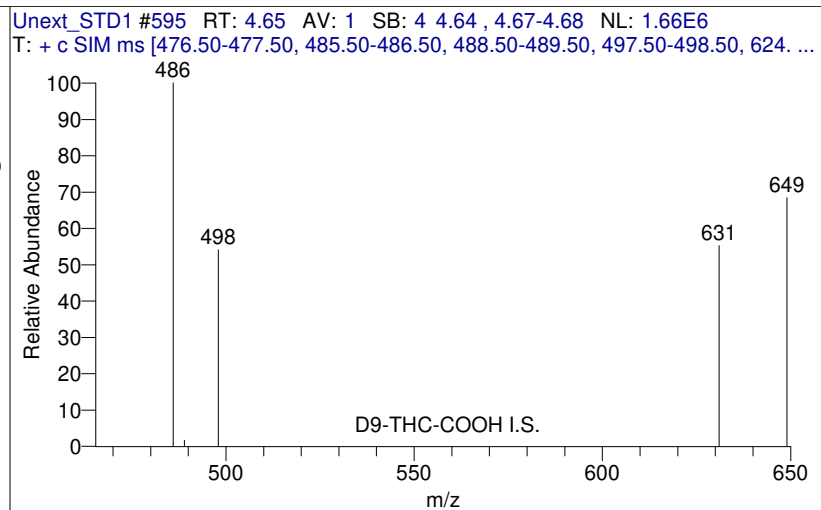
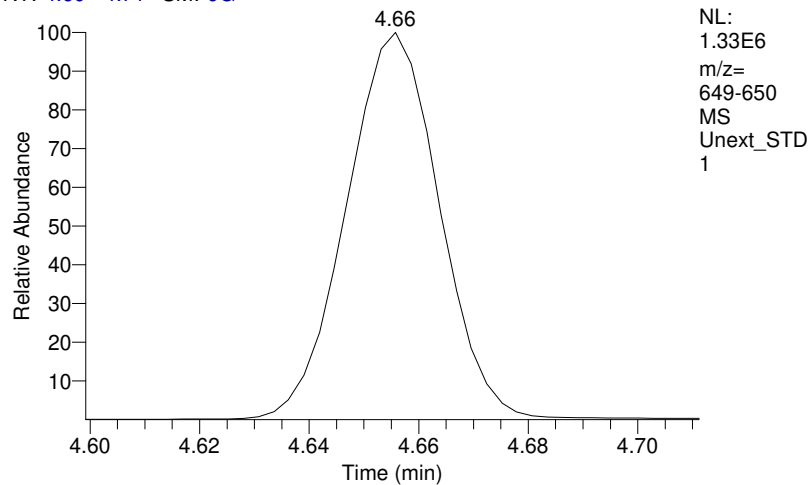
As shown by the data below (top is 15 ng/mL and bottom is 150 ng/mL) there is not a significant response to the incorrect analyte (right) or internal standard (left).



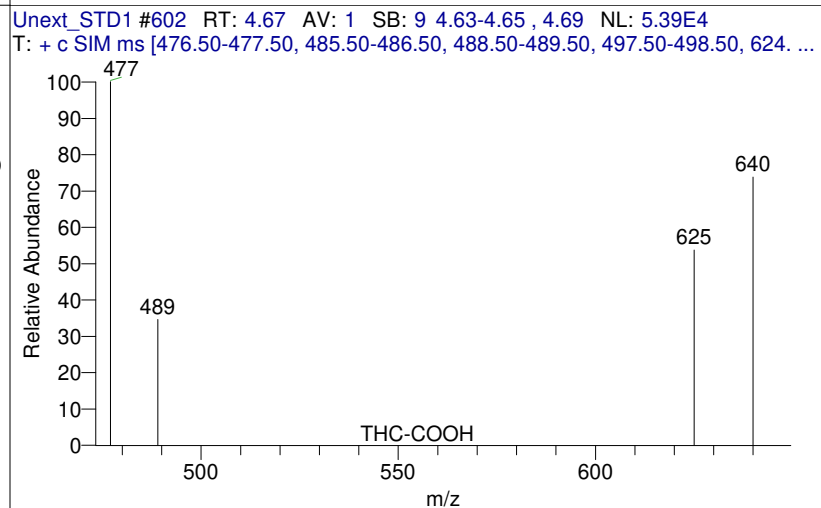
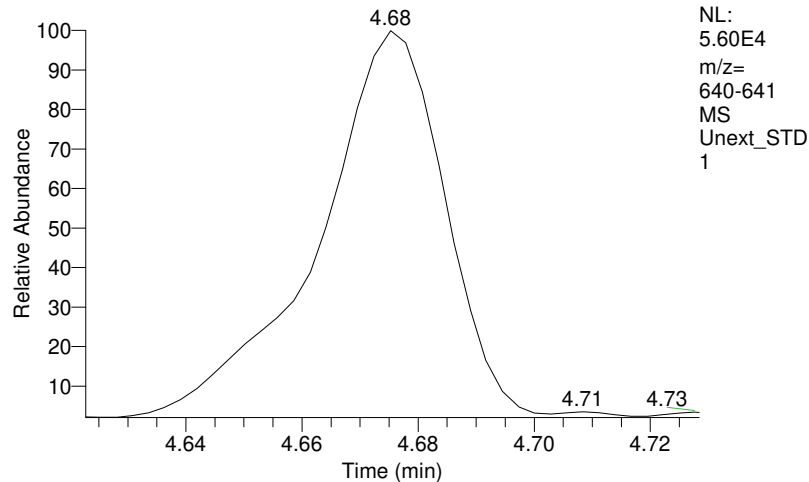
This is the 0.5x control of a previously run batch showing both the internal standard (left) and THC-COOH (right). This level is the LOD, 5 ng/mL.



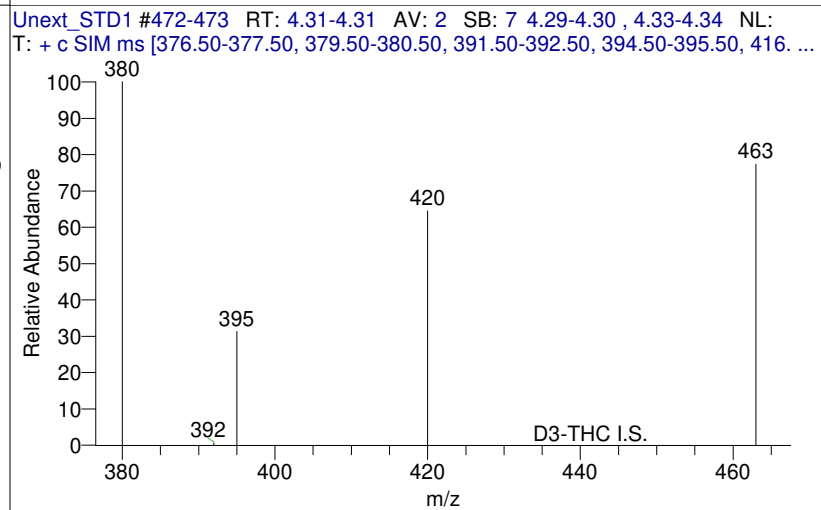
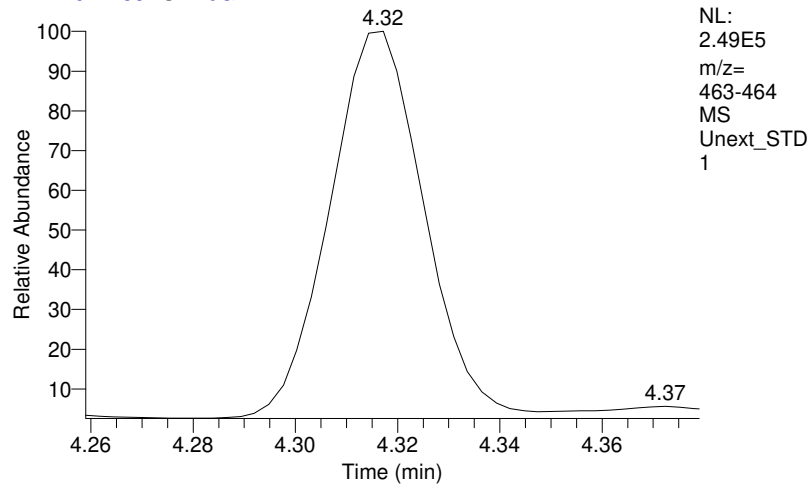
RT: 4.60 - 4.71 SM: 9G



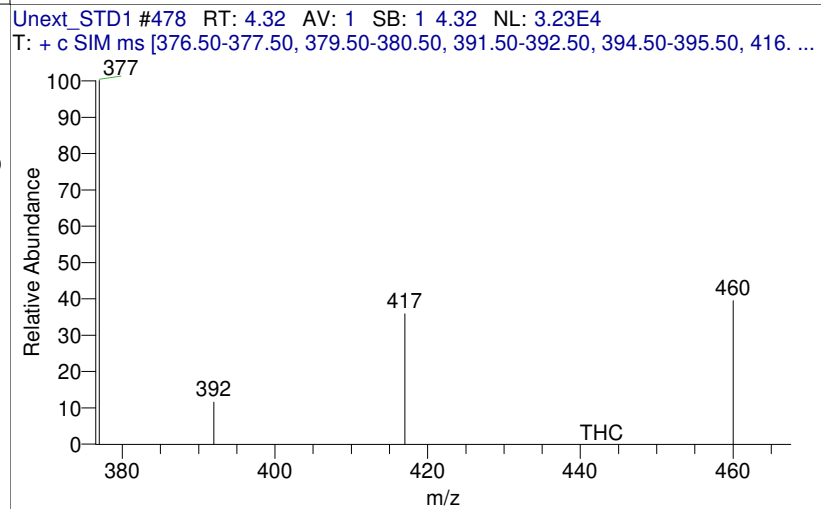
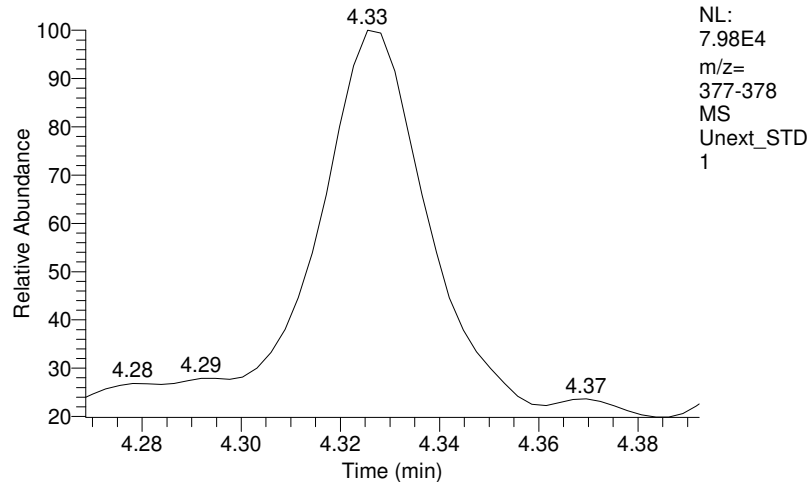
RT: 4.62 - 4.73 SM: 9G



RT: 4.26 - 4.38 SM: 9G

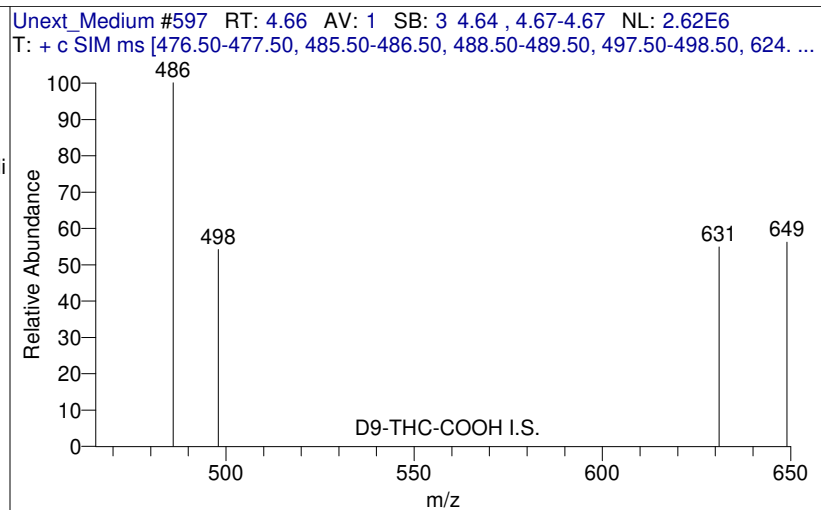
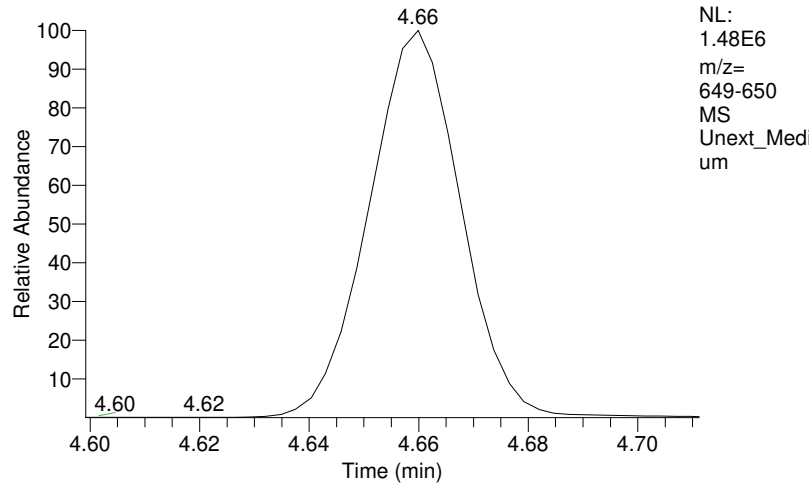


RT: 4.27 - 4.39 SM: 9G

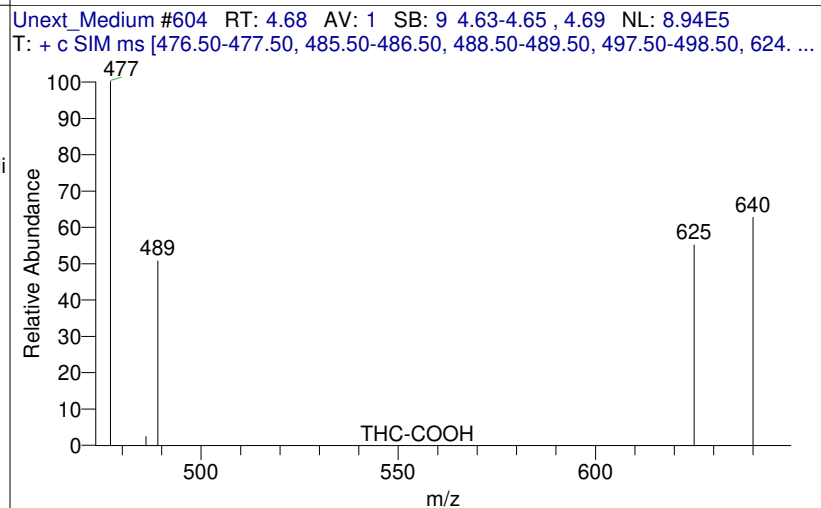
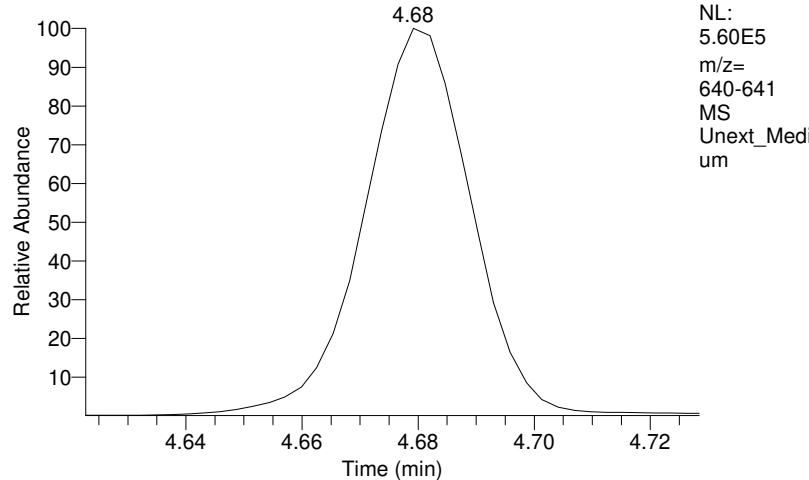




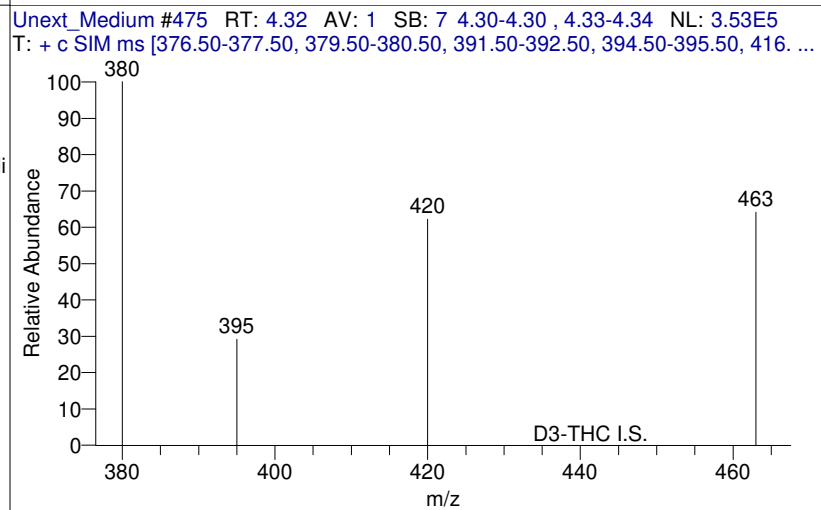
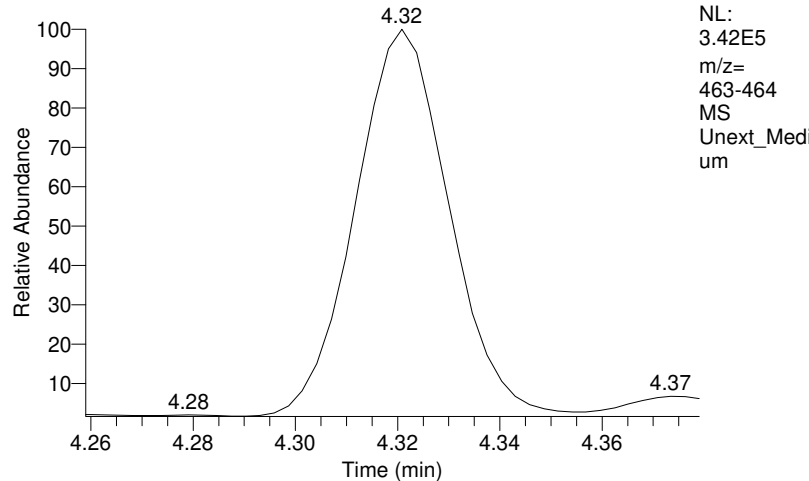
RT: 4.60 - 4.71 SM: 9G



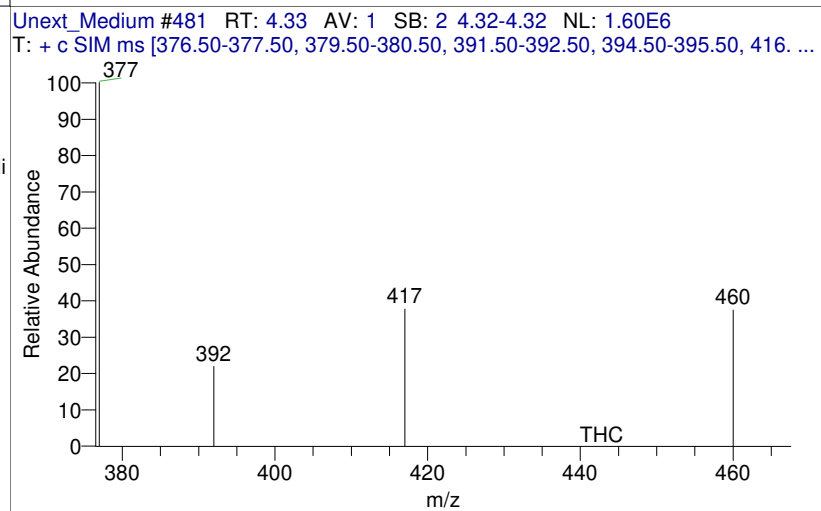
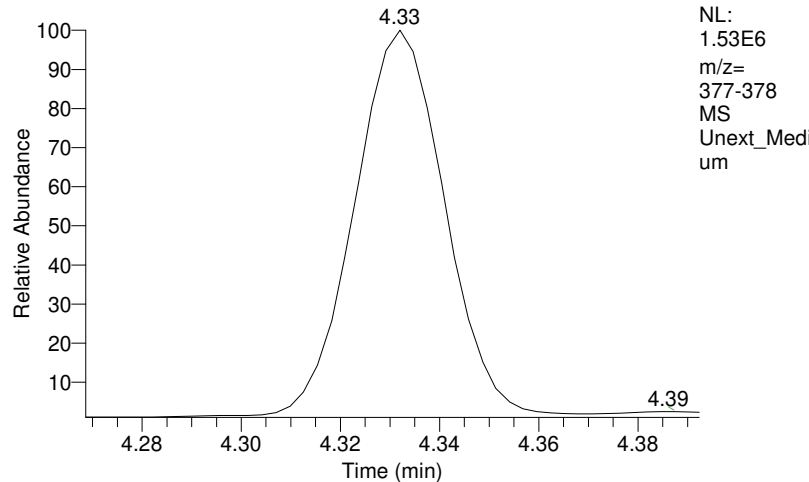
RT: 4.62 - 4.73 SM: 9G



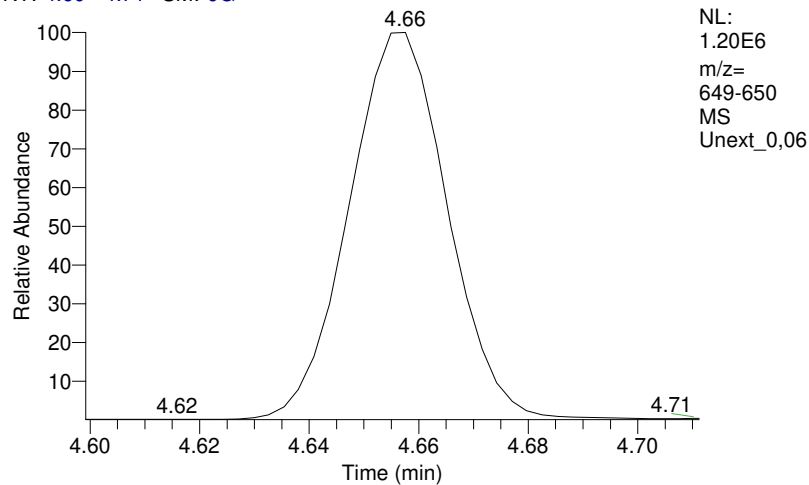
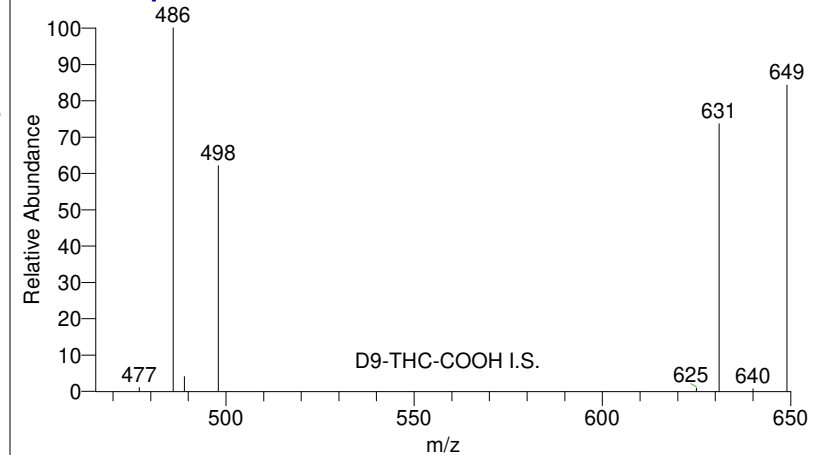
RT: 4.26 - 4.38 SM: 9G



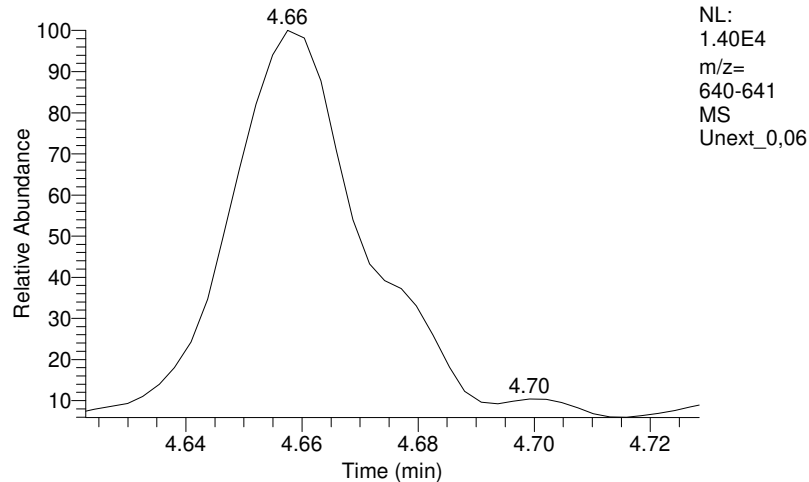
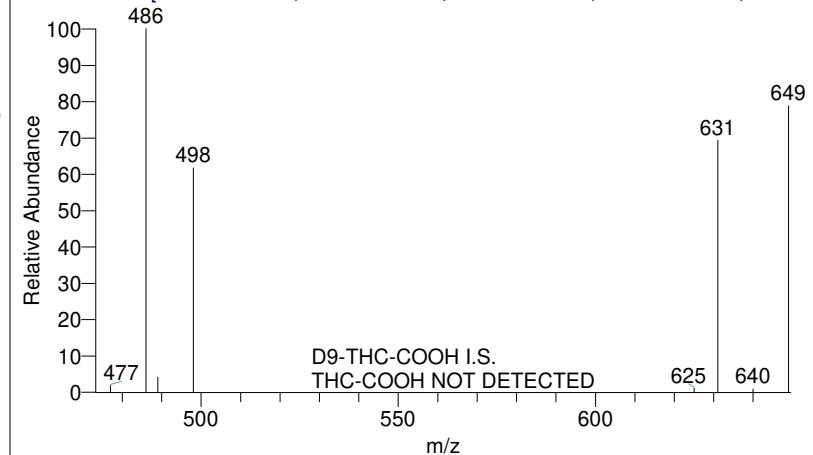
RT: 4.27 - 4.39 SM: 9G



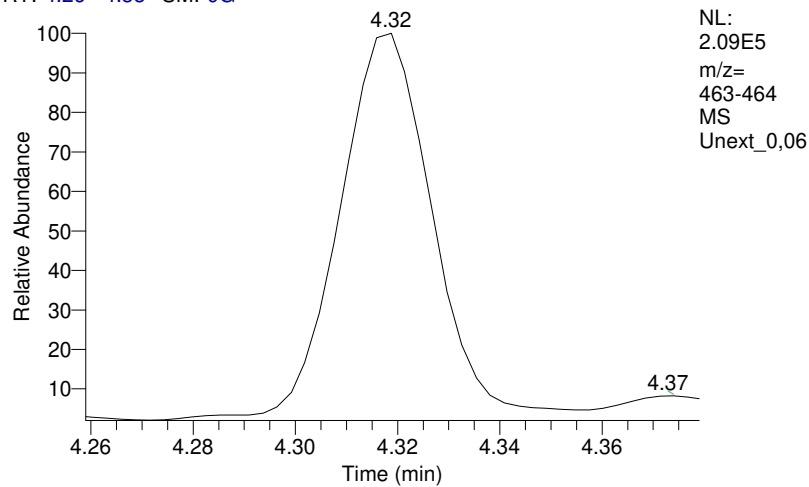
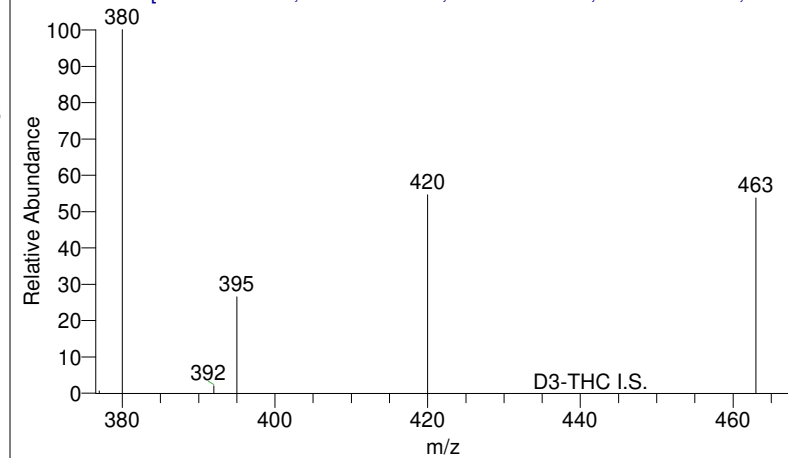
RT: 4.60 - 4.71 SM: 9G

Unext\_0,06 #594 RT: 4.65 AV: 1 SB: 3 4.64, 4.67-4.67 NL: 9.20E5  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

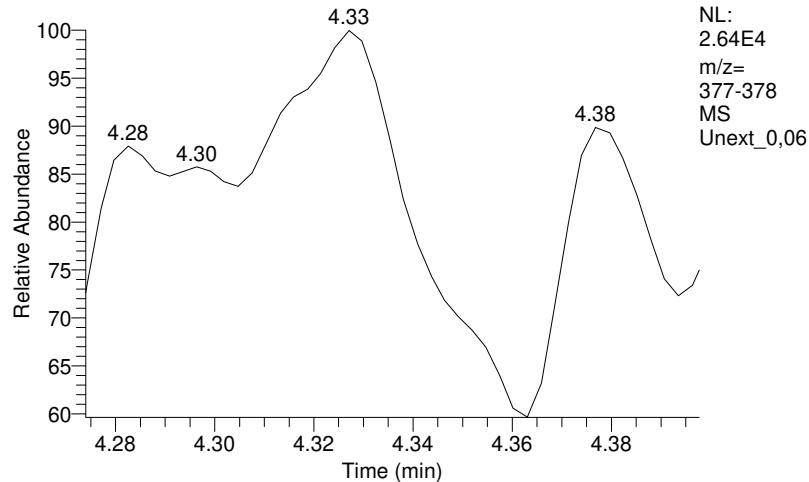
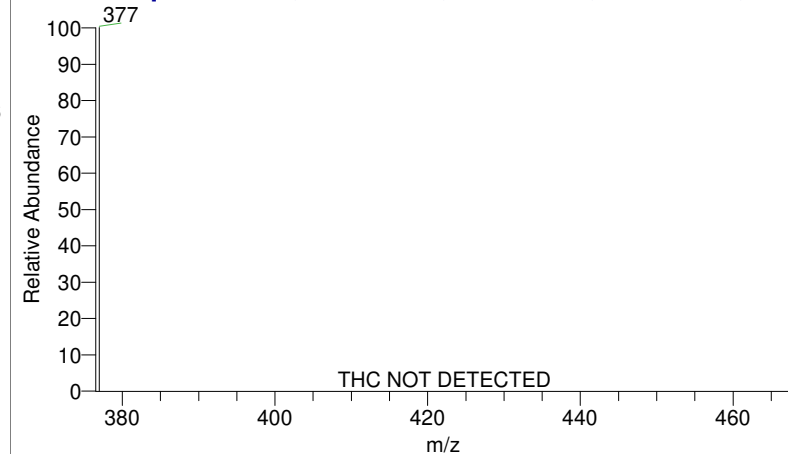
RT: 4.62 - 4.73 SM: 9G

Unext\_0,06 #594 RT: 4.65 AV: 1 SB: 9 4.63-4.65, 4.69 NL: 6.61E5  
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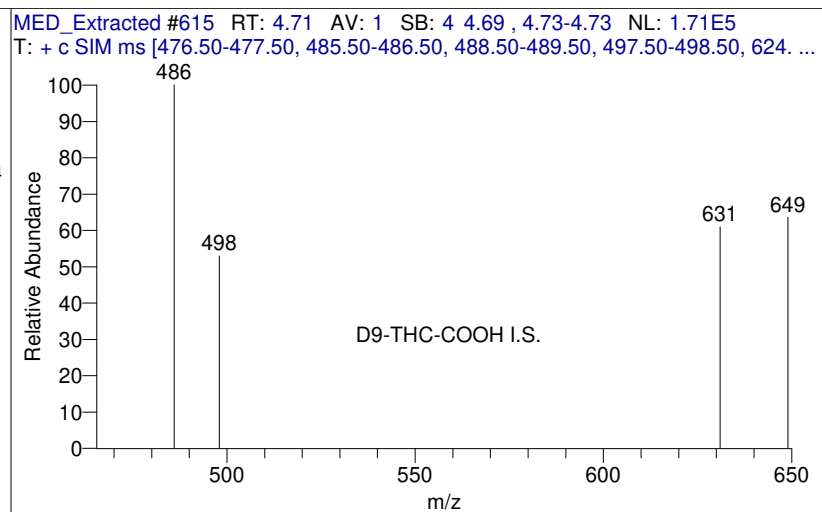
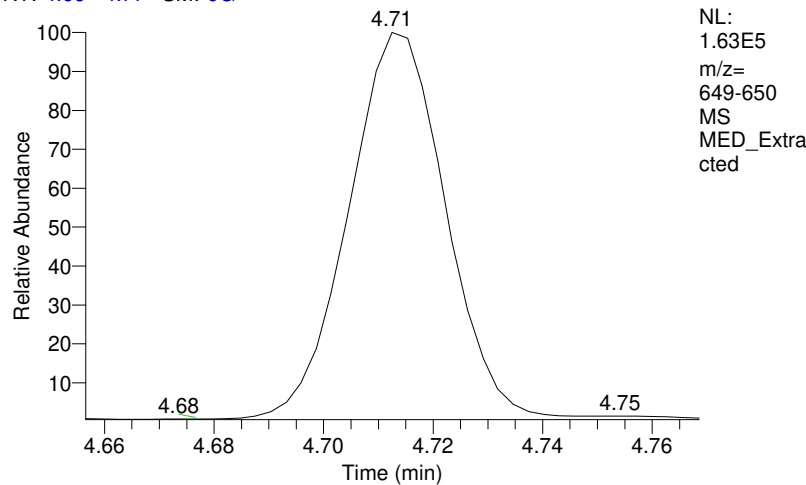
RT: 4.26 - 4.38 SM: 9G

Unext\_0,06 #475 RT: 4.32 AV: 1 SB: 7 4.30-4.30, 4.33-4.34 NL: 4.24E5  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

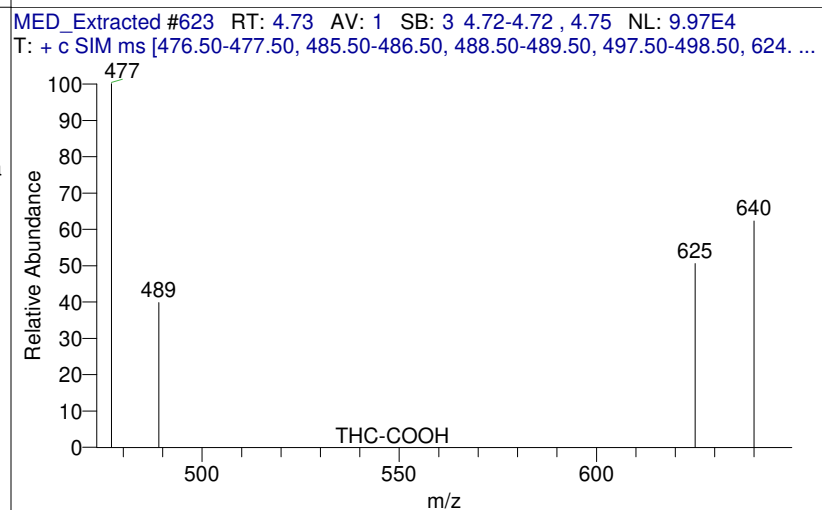
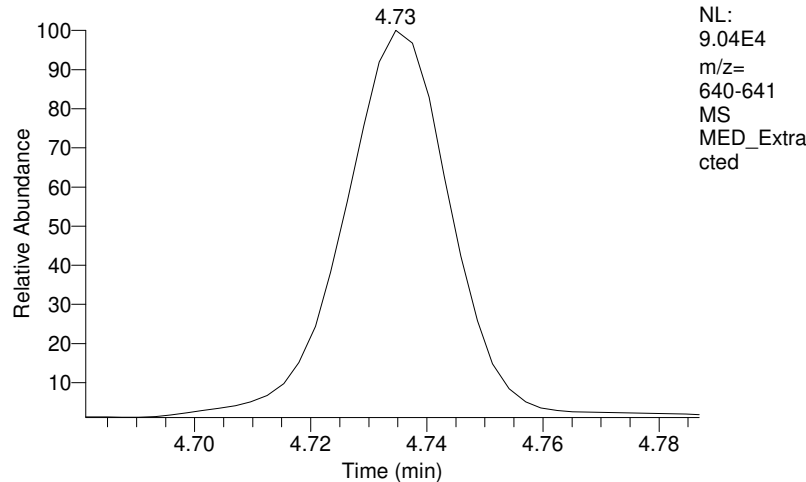
RT: 4.27 - 4.40 SM: 9G

Unext\_0,06 #479 RT: 4.33 AV: 1 SB: 2 4.32-4.33 NL: 4.63E2  
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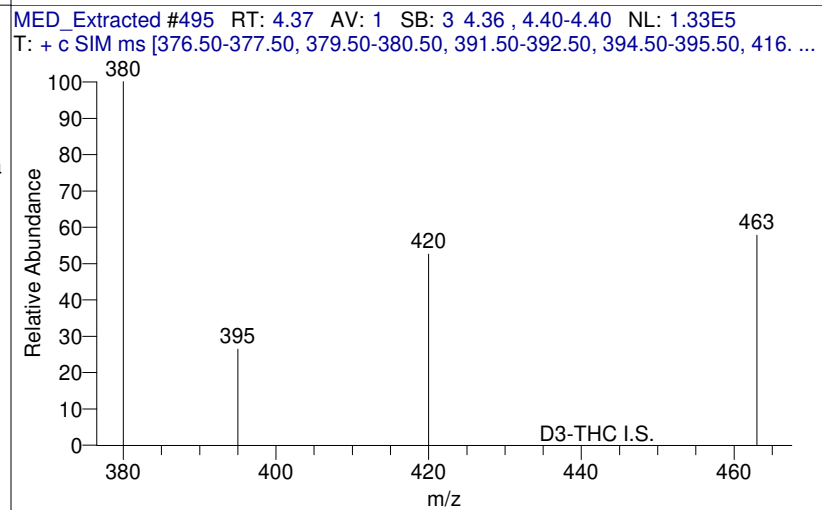
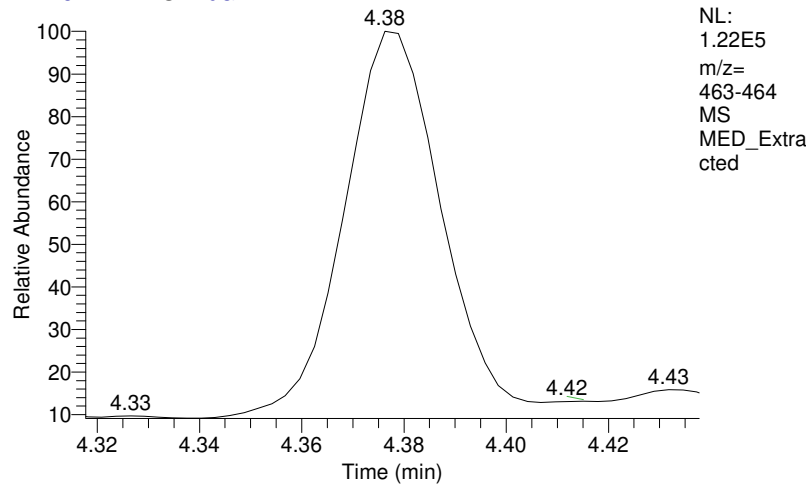
RT: 4.66 - 4.77 SM: 9G



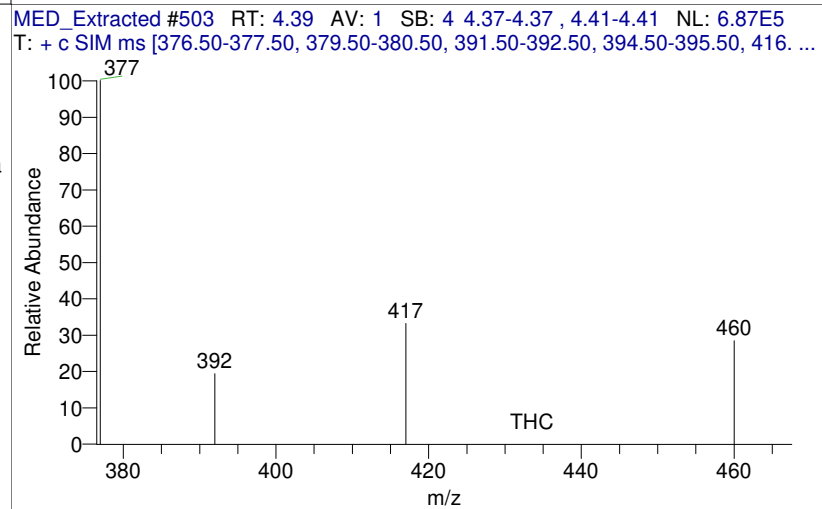
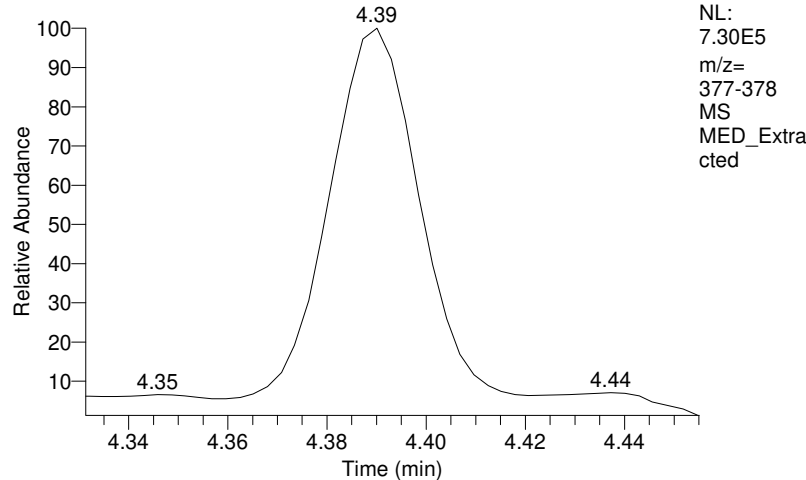
RT: 4.68 - 4.79 SM: 9G



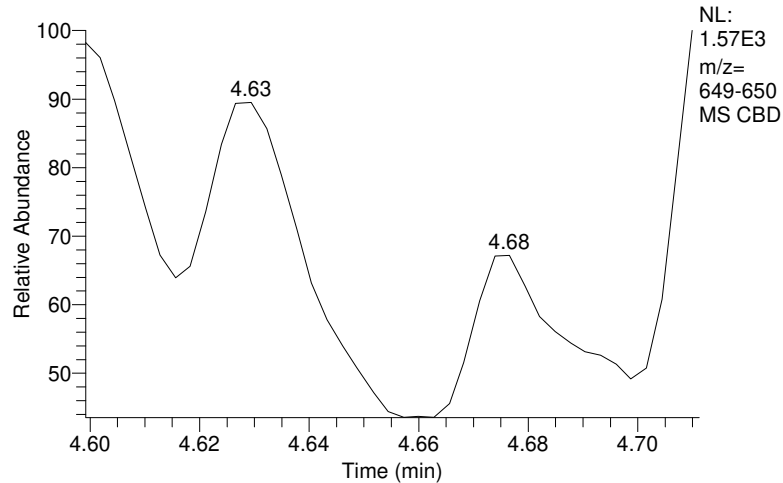
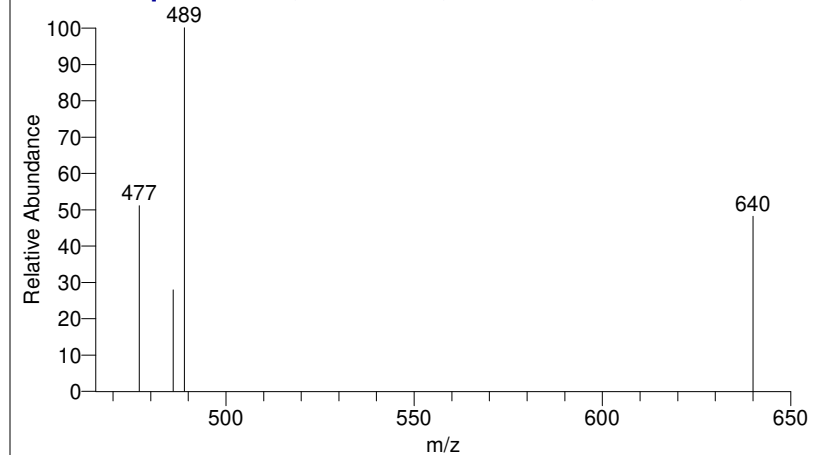
RT: 4.32 - 4.44 SM: 9G



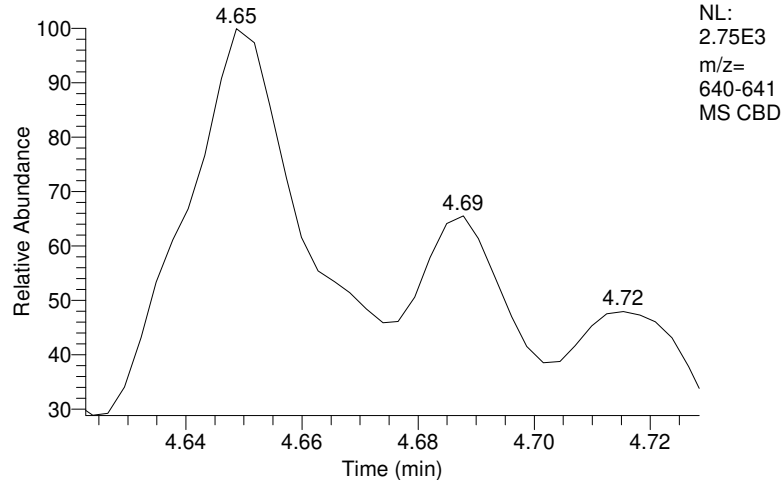
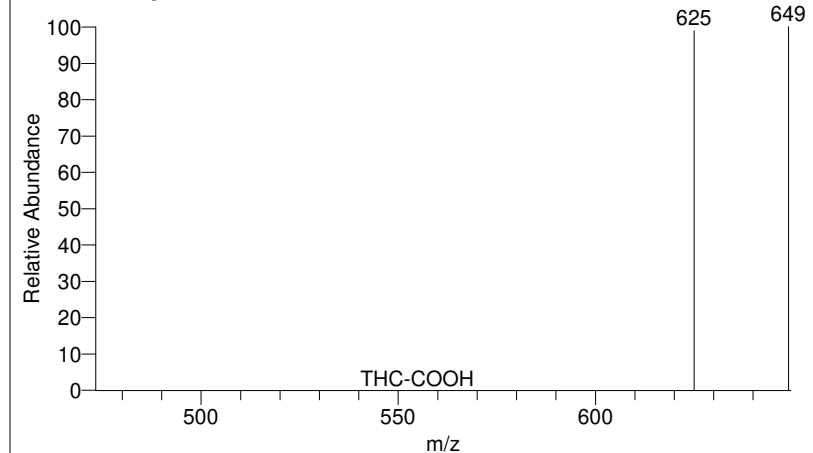
RT: 4.33 - 4.46 SM: 9G



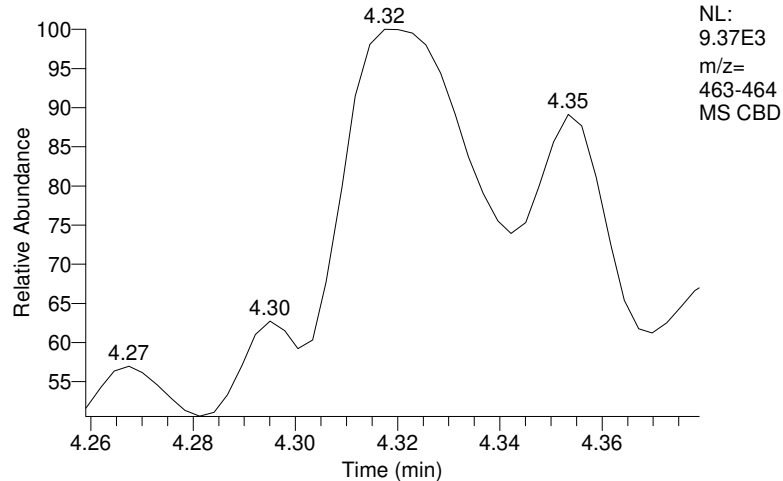
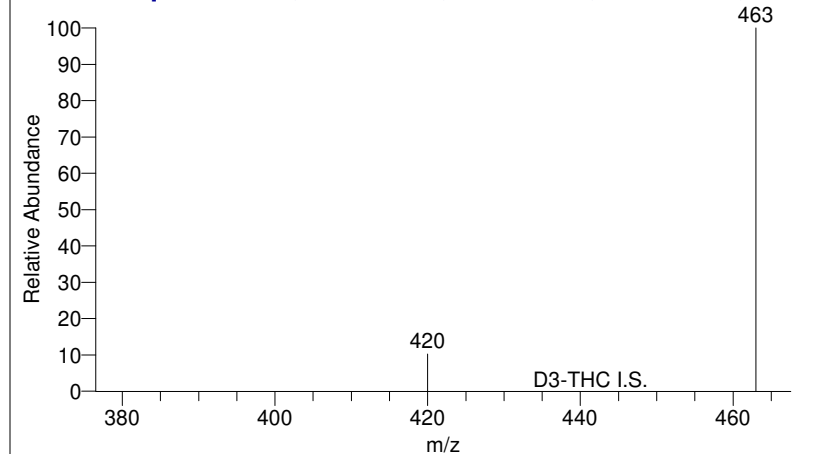
RT: 4.60 - 4.71 SM: 9G

CBD #597 RT: 4.66 AV: 1 SB: 3 4.64, 4.67-4.67 NL: 2.09E3  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

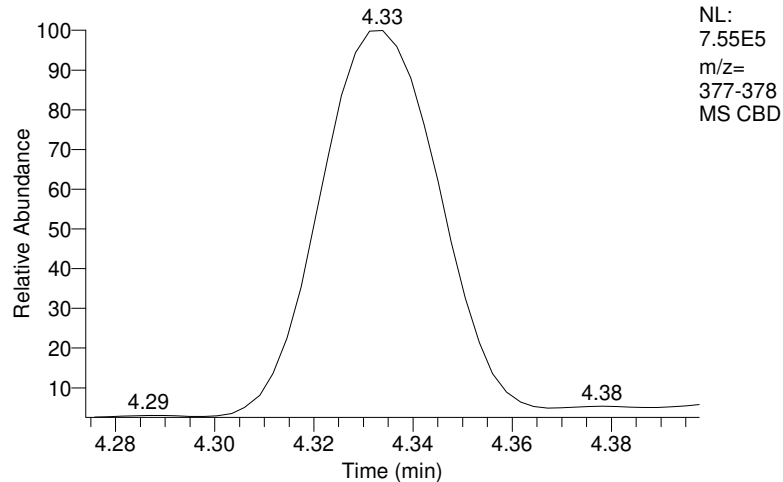
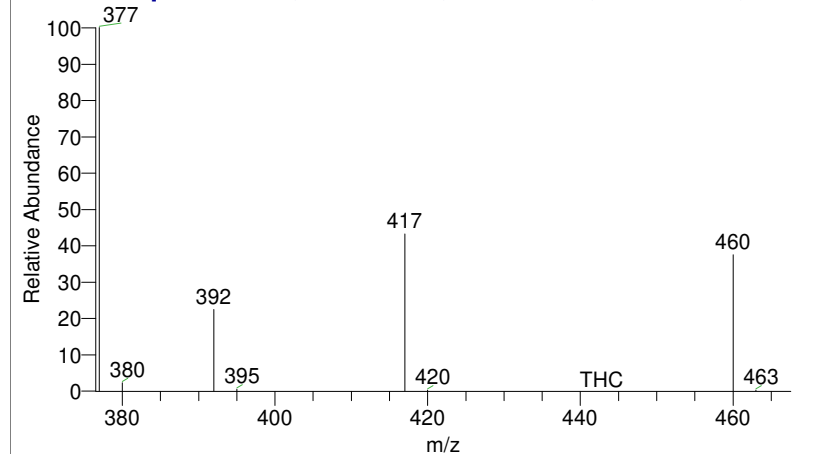
RT: 4.62 - 4.73 SM: 9G

CBD #604 RT: 4.68 AV: 1 SB: 9 4.63-4.65, 4.69 NL: 3.32E2  
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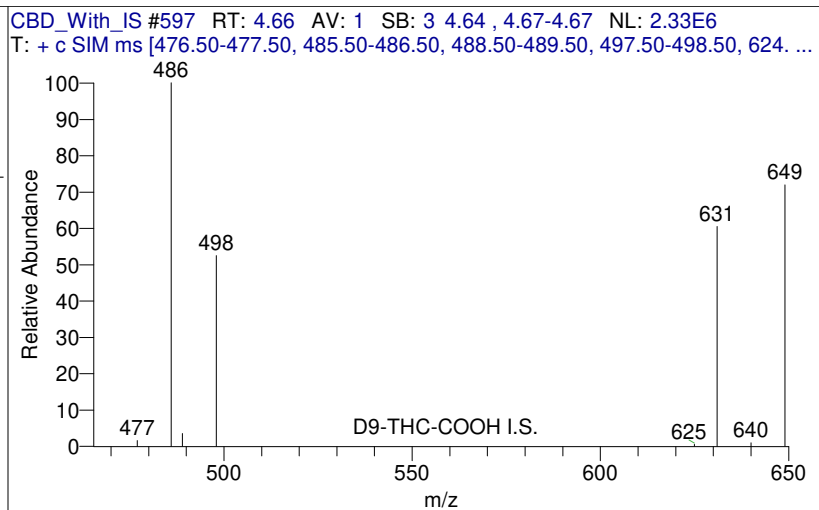
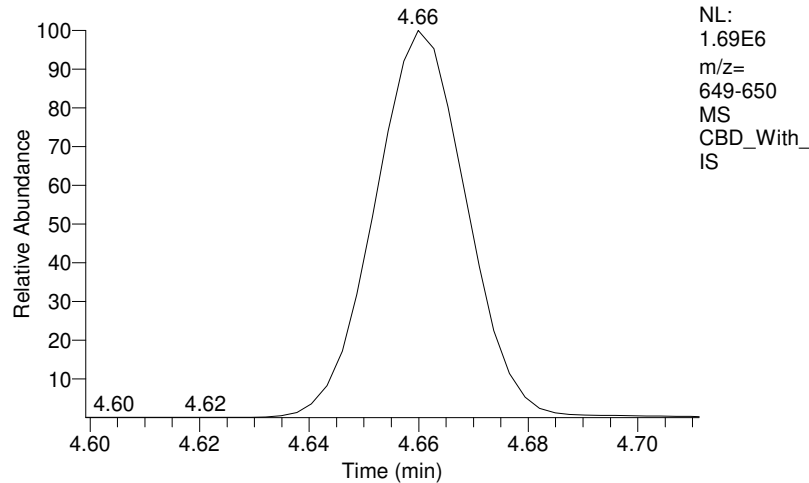
RT: 4.26 - 4.38 SM: 9G

CBD #475 RT: 4.31 AV: 1 SB: 7 4.30-4.30, 4.33-4.34 NL: 3.38E3  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

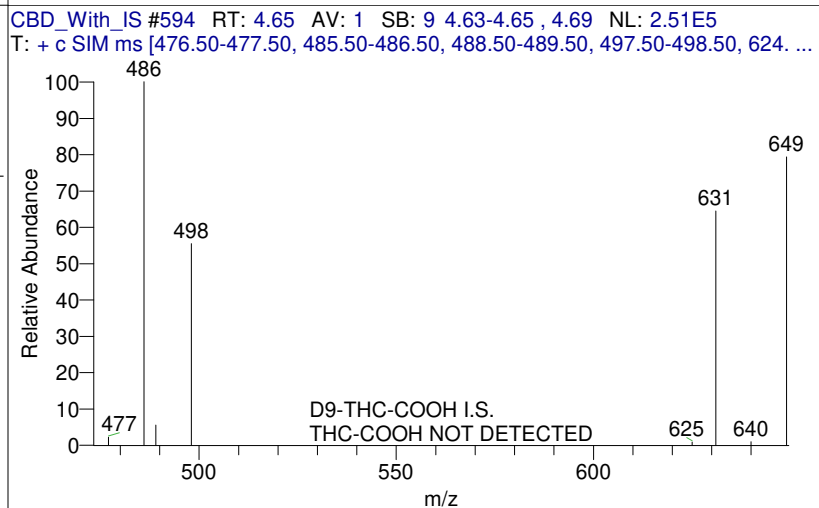
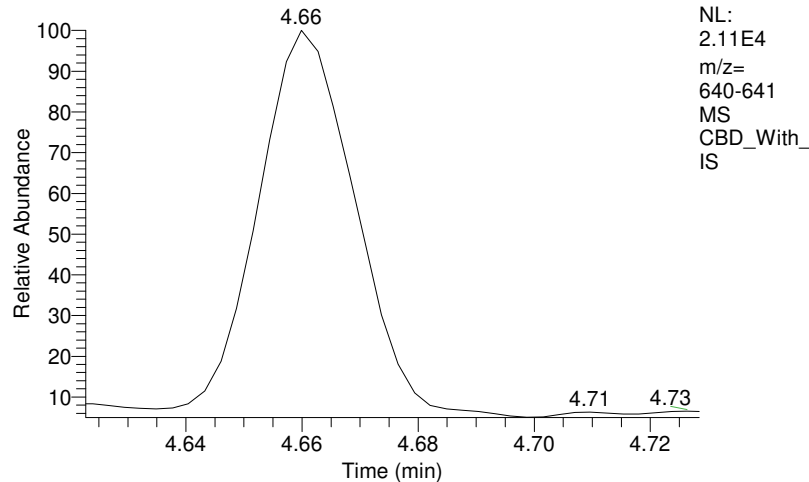
RT: 4.27 - 4.40 SM: 9G

CBD #480 RT: 4.33 AV: 1 SB: 13 4.31-4.32, 4.34-4.36 NL: 5.39E5  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

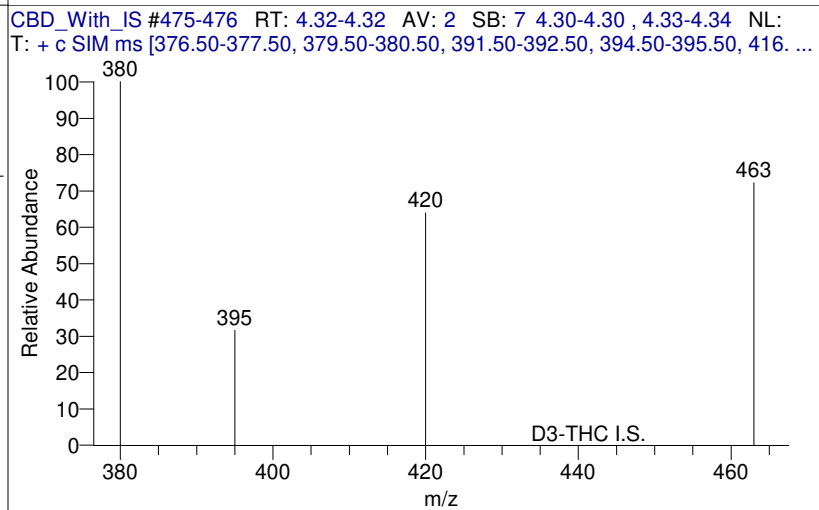
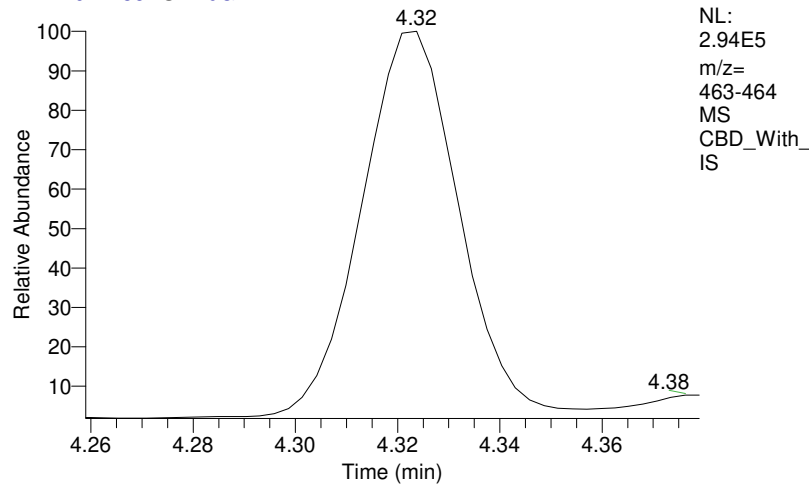
RT: 4.60 - 4.71 SM: 9G



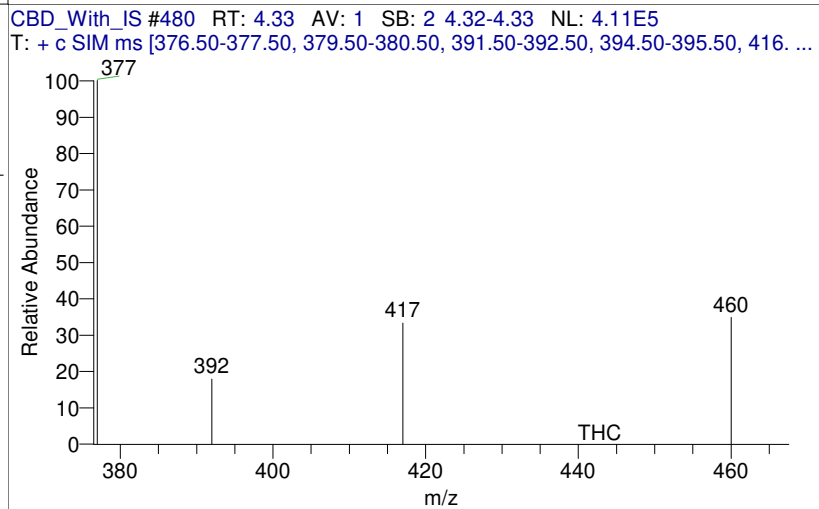
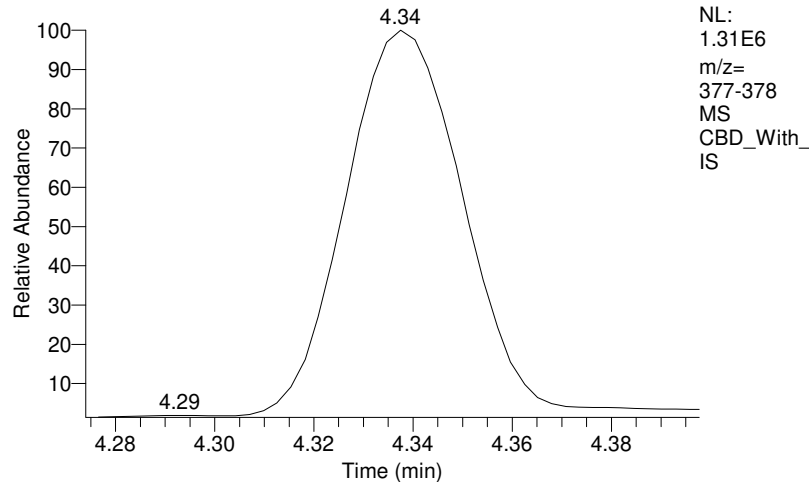
RT: 4.62 - 4.73 SM: 9G



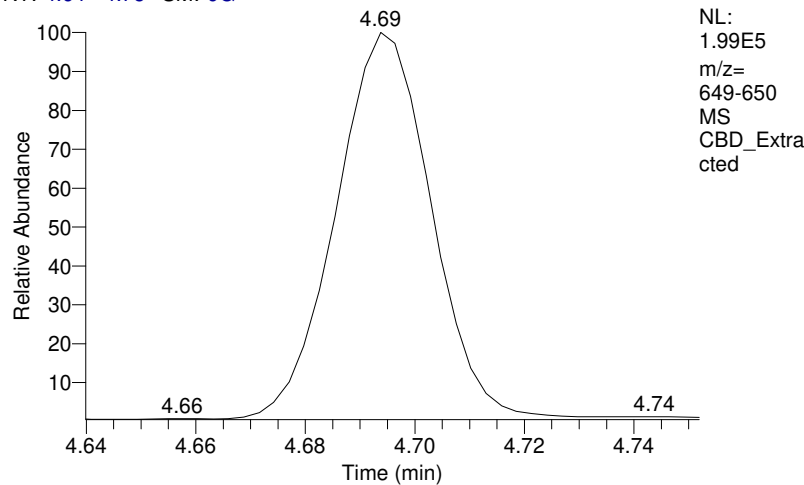
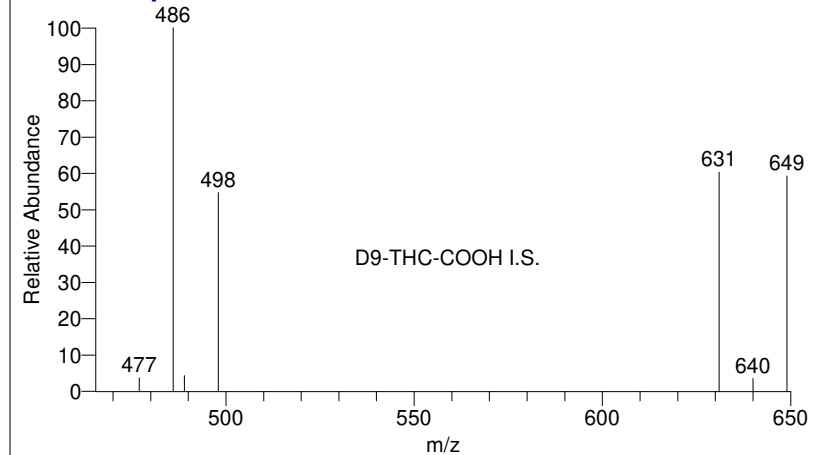
RT: 4.26 - 4.38 SM: 9G



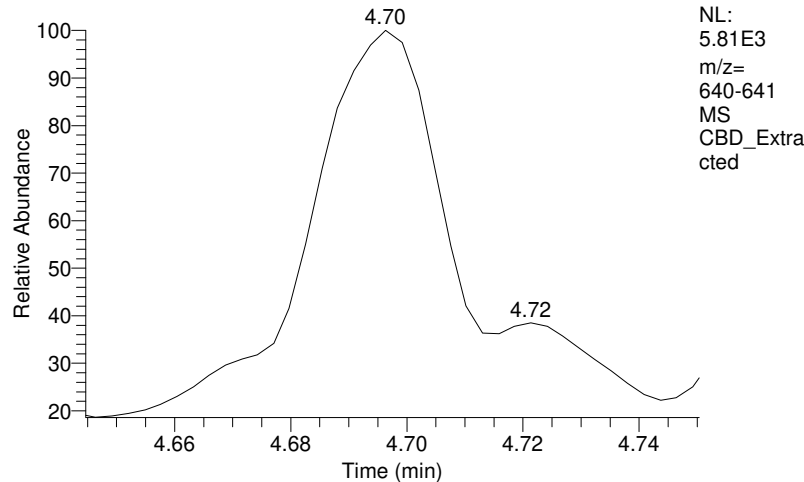
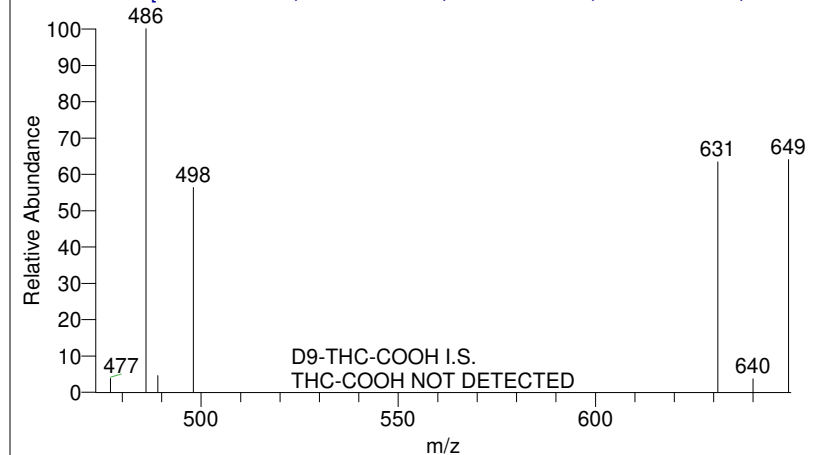
RT: 4.27 - 4.40 SM: 9G



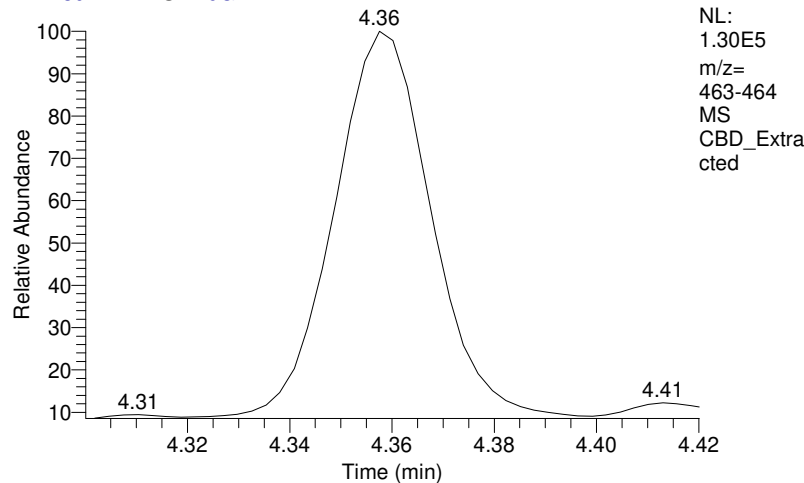
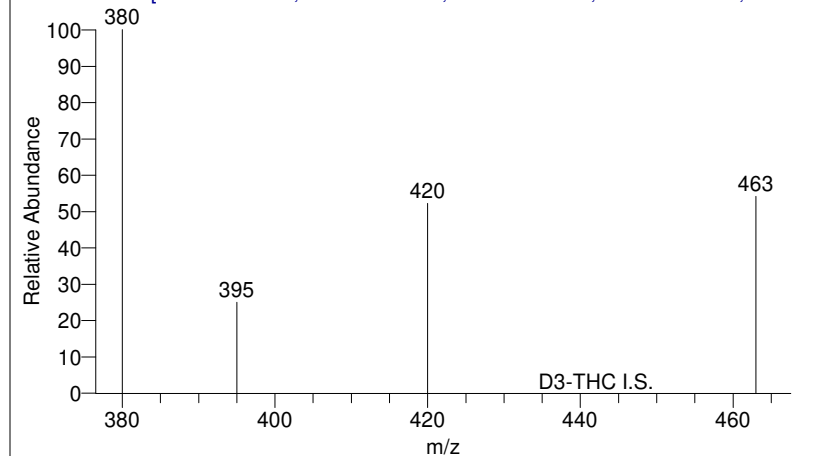
RT: 4.64 - 4.75 SM: 9G

CBD\_Extracted #607 RT: 4.69 AV: 1 SB: 2 4.68 , 4.71 NL: 1.43E5  
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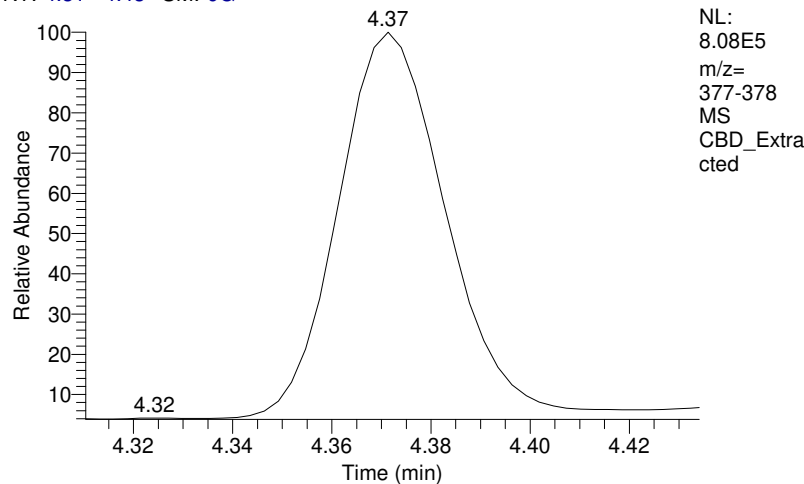
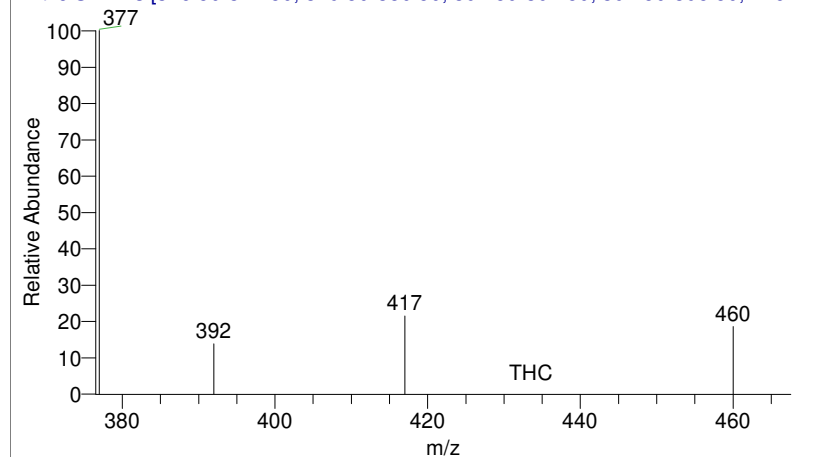
RT: 4.64 - 4.75 SM: 9G

CBD\_Extracted #607 RT: 4.69 AV: 1 SB: 3 4.68 , 4.71-4.71 NL: 1.30E5  
T: + c SIM ms [476.50-477.50, 485.50-486.50, 488.50-489.50, 497.50-498.50, 624. ...

RT: 4.30 - 4.42 SM: 9G

CBD\_Extracted #487 RT: 4.35 AV: 1 SB: 6 4.34-4.34 , 4.38-4.38 NL: 1.05E5  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

RT: 4.31 - 4.43 SM: 9G

CBD\_Extracted #496-497 RT: 4.37-4.38 AV: 2 SB: 2 4.35 , 4.40 NL: 7.28E5  
T: + c SIM ms [376.50-377.50, 379.50-380.50, 391.50-392.50, 394.50-395.50, 416. ...

**From:** [Geiger, Jordyn \(MSP\)](#)  
**To:** [Fillinger, Nicholas \(MSP\)](#)  
**Cc:** [Gill, Greta \(MSP\)](#); [French, Geoffrey \(MSP\)](#); [Kellogg, Samantha \(MSP\)](#)  
**Subject:** THC/CBD Experiment  
**Date:** Wednesday, August 24, 2022 9:22:44 AM  
**Attachments:** [CBD Conversion Experiment.docx](#)  
[image001.png](#)

---

Nick,

Attached is the write up that you asked for. Sam also reviewed it for me. Please let us know if you have any questions.

Thank you,

Jordyn Geiger  
Forensic Scientist-Toxicology  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
[REDACTED]

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"



*Your opinion is very important to us. Please take a few moments to complete a brief survey at the following link: [MSP Forensic Science Division Customer Service Survey](#)*

*Note: The information in this email and any attachments may be confidential and privileged. If you are not the intended recipient or believe that you received this email in error, please notify the sender immediately. Correspondence referencing a case(s) may be retained as part of the laboratory case record and be subject to Freedom of Information Act requests.*



Logan >

Text Message

Sun, Aug 28, 10:23 AM

Good morning, Logan. Will you please give me a call when you have a few minutes? I have a clarification question to pass on.

10:23

Dan has that data figured out, and is sending it in the next few minutes. Thank you again for your work on this.

11:12



## Cannabidiol (CBD) to THC Conversion Problem (8/24/22)

To our Criminal Justice Stakeholders throughout Michigan,

The Michigan State Police Forensic Science Division's (MSP FSD) Toxicology Discipline has for many years used a specific procedure to prepare blood samples for the analysis of different compounds, including tetrahydrocannabinol (THC).

To prepare a blood sample to be tested for the presence of THC in a GC/MS instrument, a derivatizing reagent must be used to modify the THC slightly so it has properties that make it most suitable for detection and quantification within the instrument.

The toxicology unit discovered on August 22, 2022, that the derivatizing reagent that they have been using for a long time was probably also having the effect of converting any cannabidiol (CBD) within a blood sample into THC. CBD is not controlled nor is it the subject of OUID cases because it is not considered to be psychoactive; THC is obviously controlled and is frequently a subject of OUID cases.

Testing was done this week to confirm whether this phenomenon was occurring. Thus far, it appears that the method and derivatizing reagent is indeed converting CBD in blood samples into THC at a very high rate.

Here are the resulting problems:

If a person had ONLY taken CBD:

If only CBD was in a blood sample, it would be converted to THC in this method and incorrectly reported as THC.

If a person had taken BOTH CBD and THC:

Most of the CBD would be converted to THC, increasing the quantified levels of THC in the sample.

For this reason, we cannot trust the reported THC quantities from any cases where this instrument method and reagent were used and are strongly urging prosecutors who have cases pending to act appropriately on this information.

This problem only relates to CBD and THC. Other legal issues may be considered like the presence of other drug types in a sample and visible impairment.

We are continuing to gather additional facts and analyses surrounding this testing issue and will be placing an official notification to stakeholders as soon as we can.

## Wilson, Jennifer (MSP)

---

**From:** QualityMatters <qualitymatters@anab.org>  
**Sent:** Wednesday, August 31, 2022 11:54 AM  
**To:** Larrison, Ryan M. (MSP)  
**Cc:** Janet Girten; Nye, Jeffrey V. (MSP); Bowen, John (MSP); Hawkins, Christopher (MSP)  
**Subject:** 220831-MISP-FSD - CBD to THC Conversion-notif\_ack  
**Attachments:** CJ Partner Notification\_08312022JN.pdf

**CAUTION: This is an External email. Please send suspicious emails to [abuse@michigan.gov](mailto:abuse@michigan.gov)**

Dear Ryan,

Thank you for the email and accompanying attachment submitted to "Quality Matters" on August 31, 2022, in which ANAB was notified of this disclosure.

This disclosure will be reviewed. If updates are deemed necessary, you will be informed of the update frequency and required information. If no updates are required, the actions taken related to this disclosure are subject to review during your next regularly scheduled assessment activity.

Questions regarding ANAB's approach to self-reported disclosures of significant events and nonconformities may be directed to at [qualitymatters@anab.org](mailto:qualitymatters@anab.org).

Thank you very much for your ongoing compliance with the obligations of an accredited forensic service provider.

Best regards,

**Mary Kiella | ANAB**  
**Coordinator, Forensics**

ANSI National Accreditation Board  
Milwaukee | D.C. | Cary | Fort Wayne  
Tel [REDACTED] | [mkiella@anab.org](mailto:mkiella@anab.org)  
[www.anab.org](http://www.anab.org)  
ANAB Training - [www.anab.org/training](http://www.anab.org/training)



---

**From:** Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>  
**Sent:** Wednesday, August 31, 2022 9:12 AM  
**To:** QualityMatters <qualitymatters@anab.org>  
**Cc:** Putnam, Bradford <bputnam@anab.org>; Janet Girten <jgirten@anab.org>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>; Hawkins, Christopher (MSP)

<HawkinsC1@michigan.gov>

**Subject:** Significant Event Notification

Dear ANAB,

Please accept this email and its attachment as formal notification of the significant quality event in our toxicology unit (CBD to THC conversion) that I previously discussed with Janet verbally. This information will be sent this morning to state of Michigan stakeholders.

Corrective Action has already been initiated for this discovery, and I am proud of the professional, ethical, and immediate response of our staff to it. As mentioned in my discussion with Janet, FSD would still like particular attention given to reviewing this issue and its handling during our November 2022 ANAB Surveillance Visit. We also intend to seek a separate professional review concerning this event so that we might learn even more from it.

Please feel free to contact me to discuss this matter further.

Sincerely,

Inspector Ryan M. Larrison  
Quality Assurance Manager  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48910  
Office/Cell: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** Fillinger, Nicholas (MSP)  
**Sent:** Wednesday, August 24, 2022 12:52 PM  
**To:** Larrison, Ryan M. (MSP)  
**Cc:** Bowen, John (MSP); Nye, Jeffrey V. (MSP)  
**Subject:** article  
**Attachments:** 2019- Hart- Cannabinoid Metabolites Pose Analytical Challenges in Urine Drug Testing Laboratories.pdf

If you take a look at page 3, LAB B used the same derivatizing reagents that we use, and they're conversion of THC to CBD is really high.

I never knew about this article.

Nicholas Fillinger  
Toxicology Technical Leader  
Michigan State Police  
Forensic Science Division  
7320 N Canal Rd  
Lansing, MI 48913  


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## Wilson, Jennifer (MSP)

---

**From:** Wilson, Jennifer (MSP)  
**Sent:** Tuesday, September 6, 2022 10:23 AM  
**To:** Bowen, John (MSP); Larrison, Ryan M. (MSP); Fillinger, Nicholas (MSP)  
**Cc:** Nye, Jeffrey V. (MSP); Daniels, Gary (MSP)  
**Subject:** CR 31256378- FOIA request DUE 9/9/22

Good morning,

We have received the following FOIA request:

- State Police Forensic Science Division for the list of cases as well as
- (1) the criteria they used to determine which cases were potentially affected by false positives and
- (2) all documents relating to the Department's determination that the tests were problematic and/or could lead to false positives for THC

Inspector Bowen- I believe you have been working with Logan and Dan to produce a list of these cases. Please let me know if that list is ready and available to provide for this request.

Nick- I don't know if you have any documents that would be responsive to (1). I believe the documents provided by the unit last week for the previous FOIA would be responsive to (2). Please let me know if you have anything additional to provide for (1) or (2).

This request is due 9/9. I can request an extension if needed, please advise if you would like for me to do so.  
Thank you,

Jennifer Wilson  
Assistant Laboratory Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

## Wilson, Jennifer (MSP)

---

**From:** Churchman, Dan (MSP)  
**Sent:** Friday, August 26, 2022 7:19 PM  
**To:** Bowen, John (MSP)  
**Subject:** Excel Sheet  
**Attachments:** FSLabNumList.xlsx

Draft

Daniel Churchman  
Data Specialist  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
Cell: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** Wilson, Jennifer (MSP)  
**Sent:** Friday, September 2, 2022 8:48 AM  
**To:** Nye, Jeffrey V. (MSP); Bowen, John (MSP); Larrison, Ryan M. (MSP); Daniels, Gary (MSP); Gill, Greta (MSP); French, Geoffrey (MSP); Fillinger, Nicholas (MSP)  
**Cc:** Norris, Lindsay (MSP)  
**Subject:** FW: CR 31256112  
**Attachments:** CR 31256112.pdf

**Importance:** High

Good morning everyone,

We have received a FOIA request that is requesting the following:

I am re-submitting this FOIA request and have included my mailing address below. Thanks.

To the Michigan State Police's Freedom of Information Act (FOIA) Coordinator, MSP Colonel Joseph Gasper, MSP Toxicology Unit Supervisor Goeff French and MSP Forensic Science Division Commander Jeff Nye:

I am hereby requesting, under the authority of Michigan's Freedom of Information Act(FOIA), digital files or scanned copies of the following public records, which were prepared, owned, used, in the possession of, or retained by the Michigan State Police (MSP):

1. All public records, writings, emails that were sent/received/forwarded, text messages, encrypted chat messages, photographs, test results, audio and video recordings and any other information or data related in any way to the circumstances and events that led MSP to inform the Prosecuting Attorneys Association of Michigan (PAAM) that the MSP toxicology blood screening/testing method for calculating marijuana/THC levels is unable to distinguish between THC and CBD.
2. All public records, writings, emails that were sent/received/forwarded, text messages, encrypted chat messages, photographs, test results, audio and video recordings and any other information or data related in any way to any alerts, notifications or communications provided by MSP to PAAM or any other persons regarding MSP's toxicology blood screening/testing method for calculating marijuana/THC levels being unable to distinguish between THC and CBD.
3. All public records, writings, emails that were sent/received/forwarded, text messages and encrypted chat messages that were sent to MSP by any PAAM member or any other persons regarding MSP's toxicology blood screening/testing method for calculating marijuana/THC levels being unable to distinguish between THC and CBD.
4. A subscription to all future issuances of public records that are created, issued, disseminated or received by MSP regarding MSP's toxicology blood screening/testing method for calculating marijuana/THC levels being unable to distinguish between THC and CBD.

Please note that the majority of this request is for communications between MSP and PAAM, which I assume would probably be held at the Division level. But a decision will need to be made regarding this portion of the request and what documents this would entail since it specifically asks for test results, information or data that led us to inform PAAM of the issue:

..."test results,... and any other information or data related in any way to the circumstances and events that led MSP to inform the Prosecuting Attorneys Association of Michigan (PAAM) that the MSP toxicology blood screening/testing method for calculating marijuana/THC levels is unable

to distinguish between THC and CBD”

Please respond to this email chain with all communications regarding this request, documents provided and decisions made regarding what will be provided.

I have requested an extension on this one, and if the documents are numerous we can request a fee half.

Thank you,

Jennifer Wilson  
Assistant Laboratory Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

---

**From:** Norris, Lindsay (MSP) <NorrisL@michigan.gov>  
**Sent:** Thursday, September 1, 2022 4:12 PM  
**To:** Wilson, Jennifer (MSP) <WilsonJ25@michigan.gov>  
**Subject:** CR 31256112  
**Importance:** High

Jennifer,

Please see attached.

Thank you,

Lindsay Norris  
Pronouns: she, her, hers  
Forensic Technician  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
TX: [REDACTED]

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## Wilson, Jennifer (MSP)

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**Subject:** FW: Tox THC update/notification  
**Location:** Microsoft Teams Meeting

**Start:** Thu 8/25/2022 3:15 PM  
**End:** Thu 8/25/2022 3:45 PM  
**Show Time As:** Tentative

**Recurrence:** (none)

**Meeting Status:** Not yet responded

**Organizer:** Bowen, John (MSP)

**Importance:** High

-----Original Appointment-----

**From:** Bowen, John (MSP)

**Sent:** Thursday, August 25, 2022 2:57 PM

**To:** Bowen, John (MSP); Daniels, Gary (MSP); Hall, Glen (MSP); Lamont, Keith (MSP); Lucey, John (MSP); Morden, Charles (MSP); Peterson, Jay (MSP); Welch, Jason J. (MSP); Wilson, Jennifer (MSP)

**Cc:** Larrison, Ryan M. (MSP); Nye, Jeffrey V. (MSP); Fillinger, Nicholas (MSP); Fondren, Mark (MSP); Gormley, Elizabeth (MSP); Lozen, Cheryl (MSP); Lu, Lauren (MSP); McIntosh, Tracee (MSP); Nutter, Guy (MSP); Schelling, Kristin (MSP); Smith, Rebecca (MSP); Streeter, Kevin (MSP)

**Subject:** Tox THC update/notification

**When:** Thursday, August 25, 2022 3:15 PM-3:45 PM (UTC-05:00) Eastern Time (US & Canada).

**Where:** Microsoft Teams Meeting

**Importance:** High

Invitation is for all LD's and TL's, just so you can be informed of what's developing.

---

## Microsoft Teams meeting

**Join on your computer or mobile app**

[Click here to join the meeting](#)

Meeting ID: [REDACTED]

Passcode: [REDACTED]

[Download Teams](#) | [Join on the web](#)

**Or call in (audio only)**

[+1 248-509-0316,,297045752#](#) United States, Pontiac

Phone Conference ID: [REDACTED]

[Find a local number](#) | [Reset PIN](#)

[Learn More](#) | [Meeting options](#)

---

## Wilson, Jennifer (MSP)

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**From:** Peterson, Jay (MSP)  
**Sent:** Monday, August 29, 2022 1:44 PM  
**To:** Bowen, John (MSP)  
**Cc:** Nye, Jeffrey V. (MSP); Larrison, Ryan M. (MSP)  
**Subject:** FW: Toxicology Screens for MSP Blood Results  
**Attachments:** MSP Toxicology Memo 8-29-22.pdf

FYI

---

**From:** Jeff D. Williams <jdwill@kalcounty.com>  
**Sent:** Monday, August 29, 2022 1:38 PM  
**To:** Foster, Cary (DNR) <FosterC4@michigan.gov>; Christensen, Charles (MSP) <ChristensenC3@michigan.gov>; Dan Mills <millsd@portagemi.gov>; Dave Boysen <boysend@kalamazoocity.org>; 'Don Benthin' <dbenthin@kvcc.edu>; Ergang, Bryan <bnergang@ktwp.org>; Ernstes, Scott (MSP) <ErnstesS@michigan.gov>; Thayer, Gerald (DNR) <ThayerG@michigan.gov>; Huber, Matthew <huberm@kalamazoocity.org>; James E. VanDyken <jevand@kalcounty.com>; Peterson, Jay (MSP) <PetersonJ15@michigan.gov>; Jeff Heppler <AugustaPD@TDS.net>; Jeff Mattioli (chiefmattioli@richlandpolice.org) <chiefmattioli@richlandpolice.org>; Jeff S. Getting <jsgett@kalcounty.com>; John Blue <bluej@portagemi.gov>; Joseph McKinney <jmmckinney@fbi.gov>; Keneth Lavictorie <klavictoire@fbi.gov>; Mark Waldvogel <mawaldvogel@fbi.gov>; Matt Wolfe <wolfem@portagemi.gov>; Nick Arnold <arnoldn@portagemi.gov>; Peter Ellis <paellis@fbi.gov>; Pazder, Richard (MSP) <PazderR@michigan.gov>; Rick C. Fuller <rcfull@kalcounty.com>; Scott Jackson <sajackson@ktwp.org>; Scott McKee <scmckee@fbi.gov>; Scott Merlo <scott.merlo@wmich.edu>; Scott Sanderson <ssanderson@vicksburgmi.org>; Scott Smith <ssmith@villageofschoolcraft.com>; Timothy Unangst <Timothy.Unangst@wmich.edu>; Vernon Coakley <coakleyv@kalamazoocity.org>; Victor Green <greenv@kalamazoocity.org>  
**Cc:** Jeff S. Getting <jsgett@kalcounty.com>; Shellie I. Stapert <sistap@kalcounty.com>  
**Subject:** Toxicology Screens for MSP Blood Results

**CAUTION: This is an External email. Please send suspicious emails to [abuse@michigan.gov](mailto:abuse@michigan.gov)**

Good afternoon.

As many of you may know, the MSP Toxicology Lab recently informed the OPA that they discovered an issue regarding their blood toxicology tests for THC. More specifically, their confirmation assay for THC may not be able to distinguish between THC and CDB.

This morning, consistent with the OPA's duty to disclose any potentially exculpatory information, I notified the local defense bar and judges of this issue. A copy of the memorandum sent to them is attached. As you can see from this document, the OPA will handle this matter on a case by case basis, while we wait for more information on the nature and scope of the problem. We have been told to expect additional information from the lab in the next few weeks.

From a law enforcement perspective, the OPA recommends that you continue investigating OUID Marijuana cases as you have previously and obtain a blood sample when you have a legal basis to do so. Our hope is that the lab will be able to fix this problem, or provide an alternative.

I will advise you of any updates as soon as I receive them. Please let me know if you have any questions.

Jeff

Jeffrey D. Williams (P69117)  
Chief Assistant Prosecuting Attorney  
Kalamazoo County  
227 West Michigan Avenue  
Kalamazoo, Michigan 49007  
Direct- [REDACTED]

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## Wilson, Jennifer (MSP)

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**From:** Bowen, John (MSP)  
**Sent:** Friday, August 26, 2022 9:51 AM  
**To:** Larrison, Ryan M. (MSP); Nye, Jeffrey V. (MSP)  
**Subject:** Fwd: MSP's defective blood tests unable to distinguish between THC and CBD cannabinoids | by Eric L. VanDussen | Aug, 2022 | Medium

---

**From:** Daniels, Gary (MSP) <DanielsG@michigan.gov>  
**Sent:** Friday, August 26, 2022 9:22:46 AM  
**To:** Bowen, John (MSP) <BowenJ1@michigan.gov>  
**Subject:** MSP's defective blood tests unable to distinguish between THC and CBD cannabinoids | by Eric L. VanDussen | Aug, 2022 | Medium

<https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmedium.com%2F%40ericvandussen%2Fmmps-defective-blood-tests-unable-to-distinguish-between-thc-and-cbd-cannabinoids-6880651e8825&data=05%7C01%7CBowenJ1%40michigan.gov%7C667373156b144439523a08da876610f7%7Cd5fb7087377742ad966a892ef47225d1%7C0%7C0%7C637971169687173797%7CUnknown%7CTWFpbGZsb3d8eyJWljoImC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6IklhaWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C&sdata=7hw0aT2pN0xauBYmYklnysbR3VAjyeulmQOISbh8CwE%3D&reserved=0>

Sent from my iPhone

## Wilson, Jennifer (MSP)

---

**From:** Wilson, Jennifer (MSP)  
**Sent:** Friday, September 2, 2022 9:12 AM  
**To:** Nye, Jeffrey V. (MSP); Bowen, John (MSP); Larrison, Ryan M. (MSP); Daniels, Gary (MSP); Gill, Greta (MSP); French, Geoffrey (MSP); Fillinger, Nicholas (MSP)  
**Cc:** Norris, Lindsay (MSP)  
**Subject:** RE: CR 31256112

Tuesday is fine. I understand that you may have very little. However, since the request specifically asks for data that led to the communications, I suspect the unit may have quite a bit. I have requested an extension so next Friday is fine for everything.

Thanks

Jennifer Wilson  
Assistant Laboratory Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

---

**From:** Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>  
**Sent:** Friday, September 2, 2022 8:58 AM  
**To:** Wilson, Jennifer (MSP) <WilsonJ25@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>; Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>; Daniels, Gary (MSP) <DanielsG@michigan.gov>; Gill, Greta (MSP) <GillG@michigan.gov>; French, Geoffrey (MSP) <FrenchG@michigan.gov>; Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>  
**Cc:** Norris, Lindsay (MSP) <NorrisL@michigan.gov>  
**Subject:** Re: CR 31256112

Would Tuesday be ok? I am on AL today. Additionally, I will have very little...very little.

---

**From:** Wilson, Jennifer (MSP) <[WilsonJ25@michigan.gov](mailto:WilsonJ25@michigan.gov)>  
**Sent:** Friday, September 2, 2022 8:47:34 AM  
**To:** Nye, Jeffrey V. (MSP) <[NyeJ1@michigan.gov](mailto:NyeJ1@michigan.gov)>; Bowen, John (MSP) <[BowenJ1@michigan.gov](mailto:BowenJ1@michigan.gov)>; Larrison, Ryan M. (MSP) <[LarrisonR@michigan.gov](mailto:LarrisonR@michigan.gov)>; Daniels, Gary (MSP) <[DanielsG@michigan.gov](mailto:DanielsG@michigan.gov)>; Gill, Greta (MSP) <[GillG@michigan.gov](mailto:GillG@michigan.gov)>; French, Geoffrey (MSP) <[FrenchG@michigan.gov](mailto:FrenchG@michigan.gov)>; Fillinger, Nicholas (MSP) <[FillingerN@michigan.gov](mailto:FillingerN@michigan.gov)>  
**Cc:** Norris, Lindsay (MSP) <[NorrisL@michigan.gov](mailto:NorrisL@michigan.gov)>  
**Subject:** FW: CR 31256112

Good morning everyone,

We have received a FOIA request that is requesting the following:

I am re-submitting this FOIA request and have included my mailing address below. Thanks.  
To the Michigan State Police's Freedom of Information Act (FOIA) Coordinator, MSP Colonel Joseph Gasper, MSP Toxicology Unit Supervisor Goeff French and MSP Forensic Science Division Commander Jeff Nye:

I am hereby requesting, under the authority of Michigan's Freedom of Information Act(FOIA), digital files or scanned copies of the following public records, which were prepared, owned, used, in the possession of, or retained by the Michigan State Police (MSP):

1. All public records, writings, emails that were sent/received/forwarded, text messages, encrypted chat messages, photographs, test results, audio and video recordings and any other information or data related in any way to the circumstances and events that led MSP to inform the Prosecuting Attorneys Association of Michigan (PAAM) that the MSP toxicology blood screening/testing method for calculating marijuana/THC levels is unable to distinguish between THC and CBD.
2. All public records, writings, emails that were sent/received/forwarded, text messages, encrypted chat messages, photographs, test results, audio and video recordings and any other information or data related in any way to any alerts, notifications or communications provided by MSP to PAAM or any other persons regarding MSP's toxicology blood screening/testing method for calculating marijuana/THC levels being unable to distinguish between THC and CBD.
3. All public records, writings, emails that were sent/received/forwarded, text messages and encrypted chat messages that were sent to MSP by any PAAM member or any other persons regarding MSP's toxicology blood screening/testing method for calculating marijuana/THC levels being unable to distinguish between THC and CBD.
4. A subscription to all future issuances of public records that are created, issued, disseminated or received by MSP regarding MSP's toxicology blood screening/testing method for calculating marijuana/THC levels being unable to distinguish between THC and CBD.

Please note that the majority of this request is for communications between MSP and PAAM, which I assume would probably be held at the Division level. But a decision will need to be made regarding this portion of the request and what documents this would entail since it specifically asks for test results, information or data that led us to inform PAAM of the issue:

..."test results,... and any other information or data related in any way to the circumstances and events that led MSP to inform the Prosecuting Attorneys Association of Michigan (PAAM) that the MSP toxicology blood screening/testing method for calculating marijuana/THC levels is unable to distinguish between THC and CBD"

Please respond to this email chain with all communications regarding this request, documents provided and decisions made regarding what will be provided.

I have requested an extension on this one, and if the documents are numerous we can request a fee half.

Thank you,

Jennifer Wilson  
Assistant Laboratory Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX: [REDACTED]

---

**From:** Norris, Lindsay (MSP) <[NorrisL@michigan.gov](mailto:NorrisL@michigan.gov)>  
**Sent:** Thursday, September 1, 2022 4:12 PM  
**To:** Wilson, Jennifer (MSP) <[WilsonJ25@michigan.gov](mailto:WilsonJ25@michigan.gov)>

**Subject:** CR 31256112

**Importance:** High

Jennifer,

Please see attached.

Thank you,

Lindsay Norris

Pronouns: she, her, hers

Forensic Technician

Forensic Science Division

Michigan State Police

7320 N. Canal Road

Lansing, MI 48913

TX: [REDACTED]

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## Wilson, Jennifer (MSP)

---

**From:** French, Geoffrey (MSP)  
**Sent:** Tuesday, September 6, 2022 11:55 AM  
**To:** Bowen, John (MSP); Larrison, Ryan M. (MSP); Gill, Greta (MSP); Geiger, Jordyn (MSP)  
**Cc:** Fillinger, Nicholas (MSP); Nye, Jeffrey V. (MSP); Daniels, Gary (MSP); Wilson, Jennifer (MSP)  
**Subject:** RE: Notification of THC Issue

Inspector Bowen,

Okay, thank you. I am going to reach out to Eric White at NMS Labs to determine how those tests can be direct billed to MSP FSD through Sigma. I also plan to inquire about whether he has any additional information regarding pricing for the plan to send larger quantities of blood samples to NMS labs.

Thanks,  
Geoff

Geoffrey French  
Toxicology Unit Supervisor  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
[REDACTED]

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**From:** Bowen, John (MSP) <BowenJ1@michigan.gov>  
**Sent:** Tuesday, September 6, 2022 11:25 AM  
**To:** French, Geoffrey (MSP) <FrenchG@michigan.gov>; Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>; Gill, Greta (MSP) <GillG@michigan.gov>; Geiger, Jordyn (MSP) <GeigerJ@michigan.gov>  
**Cc:** Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>; Daniels, Gary (MSP) <DanielsG@michigan.gov>; Wilson, Jennifer (MSP) <WilsonJ25@michigan.gov>  
**Subject:** RE: Notification of THC Issue

We will be paying for retesting of samples like this one – where the court has asked for it.

We can send out small quantities of samples to NMS, just like we did with the single plasma sample a couple months ago.

This one should be expedited out, with communication to the prosecutor about its progress.

Inspector John Bowen  
Assistant Division Commander, Operations Manager  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
TX [REDACTED]

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---

**From:** French, Geoffrey (MSP) <[FrenchG@michigan.gov](mailto:FrenchG@michigan.gov)>  
**Sent:** Tuesday, September 6, 2022 9:52 AM  
**To:** Larrison, Ryan M. (MSP) <[LarrisonR@michigan.gov](mailto:LarrisonR@michigan.gov)>; Gill, Greta (MSP) <[GillG@michigan.gov](mailto:GillG@michigan.gov)>; Geiger, Jordyn (MSP) <[GeigerJ@michigan.gov](mailto:GeigerJ@michigan.gov)>  
**Cc:** Fillinger, Nicholas (MSP) <[FillingerN@michigan.gov](mailto:FillingerN@michigan.gov)>; Nye, Jeffrey V. (MSP) <[NyeJ1@michigan.gov](mailto:NyeJ1@michigan.gov)>; Bowen, John (MSP) <[BowenJ1@michigan.gov](mailto:BowenJ1@michigan.gov)>; Daniels, Gary (MSP) <[DanielsG@michigan.gov](mailto:DanielsG@michigan.gov)>; Wilson, Jennifer (MSP) <[WilsonJ25@michigan.gov](mailto:WilsonJ25@michigan.gov)>  
**Subject:** RE: Notification of THC Issue

Inspector Larrison,

I will reach out to APA Ryan Janer regarding this request. Since we have not yet signed a contract with NMS Labs, I have been offering that we can send a portion of blood to NMS Labs, but that the submitting agency or the prosecuting attorney's office will need to pay for that test until we have a system in place for MSP FSD to pay for those tests. Is that okay? I've been advising that alternatively they can wait for a week or more when we will presumably have a system in place to send specimens that have previously been analyzed by the MSP Toxicology Unit for cannabinoids to NMS Labs to verify the THC and THC-COOH results. Please let us know if this is the appropriate course of action.

Thank you,  
Geoff

Geoffrey French  
Toxicology Unit Supervisor  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
[REDACTED]

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"



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---

**From:** Larrison, Ryan M. (MSP) <[LarrisonR@michigan.gov](mailto:LarrisonR@michigan.gov)>  
**Sent:** Friday, September 2, 2022 4:30 PM  
**To:** Gill, Greta (MSP) <[GillG@michigan.gov](mailto:GillG@michigan.gov)>; French, Geoffrey (MSP) <[FrenchG@michigan.gov](mailto:FrenchG@michigan.gov)>; Geiger, Jordyn (MSP) <[GeigerJ@michigan.gov](mailto:GeigerJ@michigan.gov)>  
**Cc:** Fillinger, Nicholas (MSP) <[FillingerN@michigan.gov](mailto:FillingerN@michigan.gov)>; Nye, Jeffrey V. (MSP) <[NyeJ1@michigan.gov](mailto:NyeJ1@michigan.gov)>; Bowen, John (MSP) <[BowenJ1@michigan.gov](mailto:BowenJ1@michigan.gov)>; Daniels, Gary (MSP) <[DanielsG@michigan.gov](mailto:DanielsG@michigan.gov)>; Wilson, Jennifer (MSP) <[WilsonJ25@michigan.gov](mailto:WilsonJ25@michigan.gov)>  
**Subject:** FW: Notification of THC Issue

Greta and Geoff,

Mr. Janer, APA at Bay County, has a case in which sentencing has been taken under advisement by the judge. Mr. Janer is requesting that we send his sample for re-testing at NMS as soon as possible. This is very soon and I know a process is probably going to be developed further, but here is an early request.

Ryan

---

**From:** Ryan Janer <[JanerR@baycounty.net](mailto:JanerR@baycounty.net)>  
**Sent:** Friday, September 2, 2022 4:04 PM  
**To:** Larrison, Ryan M. (MSP) <[LarrisonR@michigan.gov](mailto:LarrisonR@michigan.gov)>  
**Subject:** Re: Notification of THC Issue

**CAUTION: This is an External email. Please send suspicious emails to [abuse@michigan.gov](mailto:abuse@michigan.gov)**

Defendant: [REDACTED]  
Agency: MSP  
Incident No.: 30-410-20  
Laboratory No.: TX20-13314  
Date Received: September 15th, 2020  
Forensic Scientist: Jordyn Geiger

Please send sample for retesting ASAP. Thanks.

Ryan

*Ryan J. Janer*  
Assistant Prosecuting Attorney  
Bay County Prosecutor's Office  
1230 Washington Avenue, Suite 768  
Bay City, Michigan 48708

P: (989) 895-4185  
F: (989) 895-4167  
[JanerR@baycounty.net](mailto:JanerR@baycounty.net)

---

**From:** Larrison, Ryan M. (MSP) <[LarrisonR@michigan.gov](mailto:LarrisonR@michigan.gov)>  
**Sent:** Wednesday, August 31, 2022 9:47 AM  
**To:** Ryan Janer <[JanerR@baycounty.net](mailto:JanerR@baycounty.net)>  
**Cc:** Fillinger, Nicholas (MSP) <[FillingerN@michigan.gov](mailto:FillingerN@michigan.gov)>  
**Subject:** Notification of THC Issue

**CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.**

Ryan,

This was released to CJ stakeholders, including CDAM/SADO etc in the past ten minutes. Please feel free to share with Mr. Komorn and the judge.

Sincerely,

Inspector Ryan M. Larrison  
Quality Assurance Manager  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48910  
Office/Cell: [REDACTED]

**"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"**



*Your opinion is very important to us. Please take a few moments to complete a brief survey at the following link: [MSP Forensic Science Division Customer Service Survey](#)*

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## Wilson, Jennifer (MSP)

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**From:** Fillinger, Nicholas (MSP)  
**Sent:** Thursday, August 25, 2022 8:37 AM  
**To:** Larrison, Ryan M. (MSP); Daniels, Gary (MSP); Nye, Jeffrey V. (MSP); Bowen, John (MSP)  
**Subject:** RE: Prosecuting Attorney Notifications

Yes, I can join any meetings that they have, I just need to get the invite. Do we know which staff members have the meetings? I'm assuming that Sam Kellogg is one of them.

-----Original Message-----

From: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>  
Sent: Thursday, August 25, 2022 8:31 AM  
To: Daniels, Gary (MSP) <DanielsG@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>; Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>  
Subject: RE: Prosecuting Attorney Notifications

Nick, can you join that meeting?

Gary...I have the write-up I promised you attached.

-----Original Message-----

From: Daniels, Gary (MSP) <DanielsG@michigan.gov>  
Sent: Thursday, August 25, 2022 7:18 AM  
To: Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>; Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>  
Subject: Prosecuting Attorney Notifications

Good morning,

Two scientist in the Toxicology unit have virtual pre-trial meetings/hearings this morning for pending cases. I plan to participate in those meetings; however, I strongly believe the Technical Leader should be present as well due to my limited understanding and technical knowledge of recent issues. I believe the first one is at 8:30 a.m. I also will be in the lab today instead of working remotely.

D/F/Lt. Daniels  
Lansing Laboratory Director

Sent from my iPhone

## Wilson, Jennifer (MSP)

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**From:** Daniels, Gary (MSP)  
**Sent:** Thursday, August 25, 2022 8:34 AM  
**To:** Bowen, John (MSP)  
**Cc:** Larrison, Ryan M. (MSP); Nye, Jeffrey V. (MSP); Fillinger, Nicholas (MSP)  
**Subject:** Re: Prosecuting Attorney Notifications

Great, and thanks!

Sent from my iPhone

> On Aug 25, 2022, at 8:31 AM, Bowen, John (MSP) <BowenJ1@michigan.gov> wrote:  
>  
> Mr. Nye is back in the unit working out the communication strategy for those calls, right now.  
>  
> -----Original Message-----  
> From: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>  
> Sent: Thursday, August 25, 2022 8:31 AM  
> To: Daniels, Gary (MSP) <DanielsG@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>; Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>  
> Subject: RE: Prosecuting Attorney Notifications  
>  
> Nick, can you join that meeting?  
>  
> Gary...I have the write-up I promised you attached.  
>  
> -----Original Message-----  
> From: Daniels, Gary (MSP) <DanielsG@michigan.gov>  
> Sent: Thursday, August 25, 2022 7:18 AM  
> To: Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>; Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>  
> Subject: Prosecuting Attorney Notifications  
>  
> Good morning,  
>  
> Two scientist in the Toxicology unit have virtual pre-trial meetings/hearings this morning for pending cases. I plan to participate in those meetings; however, I strongly believe the Technical Leader should be present as well due to my limited understanding and technical knowledge of recent issues. I believe the first one is at 8:30 a.m. I also will be in the lab today instead of working remotely.  
>  
> D/F/Lt. Daniels  
> Lansing Laboratory Director  
>  
>  
> Sent from my iPhone

## Wilson, Jennifer (MSP)

---

**From:** Churchman, Dan (MSP)  
**Sent:** Thursday, September 8, 2022 10:49 AM  
**To:** Albertson, Logan (MSP)  
**Cc:** Bowen, John (MSP)  
**Subject:** THC & THC-COOH w/Agency  
**Attachments:** THC\_Agency\_Data.xlsx

Greetings,

Attached is a data sheet containing cases with THC and/or THC-COOH along with agency information. I know you have this information in your alcohol data, but I thought it could be a source of validation.

Thanks,

Daniel Churchman  
Data Specialist  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
Cell: [REDACTED]

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"



## Wilson, Jennifer (MSP)

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**From:** Churchman, Dan (MSP)  
**Sent:** Sunday, August 28, 2022 11:12 AM  
**To:** Albertson, Logan (MSP)  
**Cc:** Bowen, John (MSP)  
**Subject:** THC negative cases, THC-COOH positive cases. DRAFT  
**Attachments:** FSLabNumList\_2.xlsx

Greetings,

Attached is the draft data sheet containing TX cases with a positive result of THC-COOH and a NULL value in the THC field.

Let me know if you have questions. Thanks!

Daniel Churchman  
Data Specialist  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
Cell: [REDACTED]

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"





## Wilson, Jennifer (MSP)

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**From:** Nye, Jeffrey V. (MSP)  
**Sent:** Thursday, September 1, 2022 12:02 PM  
**To:** Bowen, John (MSP); Larrison, Ryan M. (MSP); Daniels, Gary (MSP); Wilson, Jennifer (MSP); Fillinger, Nicholas (MSP); French, Geoffrey (MSP); Gill, Greta (MSP); Geiger, Jordyn (MSP); Beauchamp, Samantha (MSP); Kellogg, Samantha (MSP); Bennett, Diane (MSP); Albertson, Logan (MSP)  
**Subject:** THC-Legal Hold on relevant documentation/materials  
**Importance:** High

Just wanted to inform everyone that the AG's office has placed a "legal hold" on all responsive documents related to the current THC issue. From the AG's legal hold document...based on an initial review, Potential Evidence in this case that must be preserved includes, but is not necessarily limited to, the following:

1. Any communications, reports, analysis, policies, procedures, etc related to the testing of blood for THC.
2. The actual blood samples that have been tested by the MSP lab for THC, going back to March 2019, to the extent they are still available.
3. Any documentation regarding the MSP lab accreditation, audits of the lab, etc.
4. Any communications or documents regarding the identification of the issue where MSP believes that its lab results show blood samples testing positive for THC when only CBD is present. This includes communications with prosecutors, other law enforcement agencies and any other entities that MSP communicated with regarding the issue.

You are required to maintain these items until further notification.

Jeff

Jeffrey V. Nye  
Director  
Forensic Science Division  
Michigan State Police  
7320 N. Canal Road  
Lansing, MI 48913  
CELL: [REDACTED]

"A **PROUD** tradition of **SERVICE** through **EXCELLENCE**, **INTEGRITY**, and **COURTESY**"



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## Wilson, Jennifer (MSP)

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**From:** FASysAdmin  
**Sent:** Monday, August 29, 2022 2:18 PM  
**To:** Bowen, John (MSP)  
**Subject:** Toxicology Marihuana tests?

First feedback from the field on this subject.

Can you advise if notification will be provided to our partners in law enforcement?

I'd suspect it will come from HQ, but clueless other than knowing it is NOT coming from my office.

Not that I couldn't do so, just thinking this is above my level is all.

Wayne Williams  
Departmental Manager 14  
Forensic Science Division  
Technical Support Unit  
Michigan State Police  
7320 N. Canal Rd.  
Lansing, MI 48913  
Cell: [REDACTED]

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY and COURTESY"

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-----Original Message-----

From: Kim Skellenger <kskellenger@davisontwp-mi.org>  
Sent: Monday, August 29, 2022 2:12 PM  
To: FASysAdmin <FASysAdmin@michigan.gov>  
Subject: RE: Laboratory report for BP22-2484- 1/Agency Case # 22-1358

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Good Afternoon,

I was just informed that all lab results that showed the presence of THC should not be used. Is MSP planning on sending anything out to the police agencies? Or did I just not get the information? Maybe I'm not on a list serve that would receive that information.

Kimberly Skellenger  
Records Clerk/Dispatcher  
Davison Township Police Department  
1280 N Irish Rd  
Davison, MI 48423  
[REDACTED]

-----Original Message-----

From: Forensic Advantage <FASysAdmin@michigan.gov>  
Sent: Thursday, August 25, 2022 10:30 AM  
Subject: Laboratory report for BP22-2484- 1/Agency Case # 22-1358

The results of analysis report for Agency Case Number(s): 22-1358, Persons of Interest: is now complete and can be retrieved from one of the two secure delivery options detailed below.

---

Effective March 1, 2017, electronic laboratory report notification messages will no longer include an attachment of report itself. Instead, reports will be retrieved in one of two ways:

1. The Forensic Advantage application within the MSP MICJIN portal.  
Access to the MICJIN portal can be requested by completing the RI-092A MiCJIN Administrator / Application Request form at

[REDACTED]

Users with a MICJIN account can request access to Forensic Advantage by replying to this e-mail.

2. The Core Technology Talon software application.  
Access to Talon can be obtained by contacting the local Sheriff Department to determine if a license is available for their use.  
Alternatively, Core Technology support can be contacted directly at 800-338-2117 or support@coretechcorp.com

When searching for a report using the Lab Case number exclude the suffix. For example a search for TX17-1234 will return a result while a search for TX17-1234-1 will not.

After 3/1/2017, anyone needing access to laboratory reports will need to utilize one of these two methods.

---

All requests for laboratory examinations must be submitted with a current FSD-007 form. The current form (effective 10/2018) is available online at:

[REDACTED]

If you've any questions please don't hesitate to contact your local Michigan State Police laboratory.

---

You are invited to take a few moments and complete a satisfaction survey for the Michigan State Police-Forensic Science Division. Your participation will better inform us of our performance. The survey may be accessed by navigating to the following URL:

<https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.surveymonkey.com%2F%2F9YHLW5M&data=05%7C01%7CBowenJ1%40michigan.gov%7C6e4469f1bd9e4933103208da89eadc9c%7Cd5fb7087377742ad966a892ef47225d1%7C0%7C0%7C637973939054779756%7CUnknown%7CTWFpbGZsb3d8eyJWlloiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6IjEhaWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=InJ76oPVhV%2B9ImYEOIApMJmHqHwUd7d0YqKtccKcBI0%3D&reserved=0>

[8/26 1:37 PM] Bowen, John (MSP)

I think the details of these results are going to be important in the next week/s.

[8/26 1:37 PM] Bowen, John (MSP)

But for today's purposes, we literally just need the counts.

[8/26 1:39 PM] Churchman, Dan (MSP)

you got those?

[8/26 1:39 PM] Bowen, John (MSP)

You have them in that last pivot you produced...but this alcohol thing will be a good addition to that, I guess.

[8/26 1:39 PM] Churchman, Dan (MSP)

ok

[8/26 1:40 PM] Bowen, John (MSP)

Jeff didn't ask me about alcohol at all.

[8/26 1:40 PM] Churchman, Dan (MSP)

ok

[8/26 1:40 PM] Churchman, Dan (MSP)

do you want a screenshot of the pivot table?

[8/26 1:40 PM] Bowen, John (MSP)

1. how many THC-positive reports have we put out?
2. how many THC-only reports (subset of above)

[8/26 1:41 PM] Bowen, John (MSP)

Let's see if this alcohol conversation is productive in the next 15 minutes or so

[8/26 1:41 PM] Bowen, John (MSP)

so

[8/26 1:41 PM] Churchman, Dan (MSP)

1. 13,567
2. 6,433

This is a draft number only.

[8/26 1:42 PM] Bowen, John (MSP)

We're never going to commit to an 'exact' number

[8/26 1:42 PM] Churchman, Dan (MSP)

I'm going to dive into the NFLIS request again after this convo with Logan. He's kind of a big giant brain.

like 1

[8/26 1:43 PM] Churchman, Dan (MSP)

my phone call with Jeff happened so fast, I didn't have a good enough handle on the requirements of this request.

[8/26 1:44 PM] Bowen, John (MSP)

There's a good chance those requirements have changed anyway.

[8/26 1:44 PM] Bowen, John (MSP)

I'll take that screenshot, too?

[8/26 1:44 PM] Churchman, Dan (MSP)

| Count of Cases |             | Reported Categories |          |
|----------------|-------------|---------------------|----------|
| Submitted Year | THC + Other | THC Reported        | Only THC |
| 2019           | 1133        | 2042                | 909      |
| 2020           | 2486        | 4684                | 2198     |
| 2021           | 2577        | 4954                | 2377     |
| 2022           | 938         | 1887                | 949      |
| Grand Total    | 7134        | 13567               | 6433     |

[8/26 1:49 PM] Churchman, Dan (MSP)

I'm going to pivot to Qualtrax stuff, but I'm listening

like 1

[8/26 1:59 PM] Churchman, Dan (MSP)

I feel good about saying we have the first few questions answered.

[8/26 1:59 PM] Bowen, John (MSP)

Agree



[8/26 5:50 PM] Churchman, Dan (MSP)

Are we still working on this? Need me to add file class to the data I generated?

[8/26 5:51 PM] Bowen, John (MSP)

Logan is working on the blind-spot 1,636 BA values this weekend...but we don't need the file classes until some time next week.

[8/26 5:51 PM] Churchman, Dan (MSP)

Ok sounds good

[8/26 5:52 PM] Bowen, John (MSP)

What are the quickest joins to get from the [case] table to the agency name?

[8/26 5:52 PM] Bowen, John (MSP)

through...submission?

[8/26 5:52 PM] Churchman, Dan (MSP)

Requested Exam

[8/26 5:55 PM] Churchman, Dan (MSP)

are you asking to get from case to agency through submission, or are you asking me if submission is the quickest way to get from case to agency?

[8/26 5:56 PM] Bowen, John (MSP)

I just can't remember how to get the agency's information when I'm querying the case table

[8/26 5:56 PM] Bowen, John (MSP)

with the least possible joins

[8/26 5:56 PM] Churchman, Dan (MSP)

case > requested exam > submission > agency

like 1

[8/26 5:57 PM] Churchman, Dan (MSP)

I have something created I'm sure, I'll look for it

[8/26 5:57 PM] Churchman, Dan (MSP)

[FA\_PROD\_CORE].[dbo].[Case] C

left outer join [FA\_PROD\_CORE].[dbo].[Location] L  
on C.LocationID = L.LocationID

left outer join [FA\_PROD\_CORE].[dbo].[Organization] O  
on C.OrganizationID = O.OrganizationID

left outer join [FA\_PROD\_CORE].[dbo].[FSLabJurisdiction] FSJ  
on FSJ.FSLabNum = C.FSLabNum

left outer join [FA\_PROD\_CORE].[dbo].[Jurisdiction] J  
on FSJ.JurisdictionCode = J.JurisdictionCode

left outer join [FA\_PROD\_CORE].[dbo].[RequestedExam] RE  
on C.FSLabNum = RE.FSLabNum and C.CaseID = RE.CaseID

left outer join [FA\_PROD\_CORE].[dbo].[Submission] S  
on RE.FSLabNum = S.FSLabNum and RE.SubmissionNum = S.SubmissionNum

left outer join [FA\_PROD\_CORE].[dbo].[SubmissionAgency] SA  
on S.FSLabNum = SA.FSLabNum and S.SubmissionNum = SA.SubmissionNum

left outer join [FA\_PROD\_CORE].[dbo].[AgencyLocation] AL  
on SA.AgencyID = AL.AgencyLocationId

left outer join [FA\_PROD\_CORE].[dbo].[AgencyLocationAddress] ALA  
on SA.AgencyID = ALA.AgencyId

left outer join [FA\_PROD\_CORE].[dbo].[Address] A  
on ALA.AddressID = A.AddressID

left outer join [FA\_PROD\_CORE].[dbo].[ZipCodes] ZC  
on A.Zip = ZC.ZipCode

like 1

[8/26 5:59 PM] Bowen, John (MSP)

Thanks. Disappointing how much I've forgotten. I used to know this stuff by heart.

[8/26 6:00 PM] Churchman, Dan (MSP)

no worries, this is what I'm for.

[8/26 7:15 PM] Bowen, John (MSP)

When you get a second, will you send me that entire 6,433 case spreadsheet?

[8/26 7:15 PM] Churchman, Dan (MSP)

sure thing

[8/26 7:17 PM] Churchman, Dan (MSP)

this excel file is a few tabs "Sheet8", "Sheet9"

[8/26 7:18 PM] Churchman, Dan (MSP)

I labeled the tab with pivot source, because it's the pivot source

laugh 1

[8/26 12:00 PM]

Bowen, John (MSP) added Churchman, Dan (MSP) and Albertson, Logan (MSP) to the chat.

[8/26 12:00 PM] Bowen, John (MSP)

Gents, I understand you're working on some metrics/stats re the thc reports. I've been assigned to try to help you with that...what can I do?

[8/26 12:01 PM] Albertson, Logan (MSP)

I just got off the phone with Greta and Geoff to give a quick update on what we're working on. Can the three of us call and I can explain what I've done and Dan can talk through what he's working on and go from there?

[8/26 12:01 PM] Bowen, John (MSP)

Whenever you're ready, sure thing. I'm just eating lunch, but I can eat and listen.

[8/26 12:02 PM]

8/26 12:02 PM Call started

[8/26 12:47 PM] Bowen, John (MSP)

Logan, can you re-join?

[8/26 2:15 PM]

8/26 2:15 PM Call ended 2h 13m 11s

[8/26 2:29 PM] Bowen, John (MSP)

This is NOT for today.

- We will need to figure out the reported alcohol values of those 1,636 'unknown' alcohols missing from Logan's data.
- We will also need to generate a report of THC-only cases (no poly-drug, no alcohol), alongside their 2-digit county code, agency name, and agency complaint numbers
- It might be useful to see the number of positive alcohols starting with a lower (than 0.08) threshold. Maybe...0.05?

Again, that's a project for next week. I just shared the data you guys assembled, and everyone is equally impressed and grateful for it. Thank you, and have a good weekend!

like 1

[8/26 2:30 PM] Bowen, John (MSP)

What I just reported to Mr. Nye, Insp. Larrison, and Mr. Fillinger:

[8/26 2:30 PM] Bowen, John (MSP)

[1:44 PM] Bowen, John (MSP)

1. how many THC-positive reports have we put out? 13,567
2. how many THC-only reports (subset of above) 6,433

[1:44 PM] Bowen, John (MSP)

draft values there

[1:45 PM] Bowen, John (MSP)

| Count of Cases     | Reported Categories <input type="button" value="v"/> |              |             |
|--------------------|------------------------------------------------------|--------------|-------------|
| Submitted Year     | <input type="button" value="v"/> THC + Other         | THC Reported | Only THC    |
| 2019               | 1133                                                 | 2042         | 909         |
| 2020               | 2486                                                 | 4684         | 2198        |
| 2021               | 2577                                                 | 4954         | 2377        |
| 2022               | 938                                                  | 1887         | 949         |
| <b>Grand Total</b> | <b>7134</b>                                          | <b>13567</b> | <b>6433</b> |

Still preliminary on this. We're getting confident in this number, but still testing some possible interferences in these results.

[2:15 PM] Bowen, John (MSP)

Of those 6,433 THC-only cases, 972 of them have a negative alcohol (no alcohol). Another 1,636 are alcohols that we don't have the data for, and would require a manual lookup to confirm them.

Of those 6,433 with a positive alcohol result (alcohol present):

- 3,160 at/above 0.08
- 1,281 at/above 0.17 (these are included in the 3,160 above)

[8/26 4:45 PM] Bowen, John (MSP)

Logan, can you give me a call?

[8/26 4:45 PM] Bowen, John (MSP)

517-512-5144

[8/26 4:48 PM] Bowen, John (MSP)

File Class will be important, too

[8/26 5:22 PM] Albertson, Logan (MSP)

I have all the worksheets downloaded already. We did it for another project. I have most of 2019 all of 2020, 2021 and most of 2022. I'm just working on getting my hands on them right now.

like 1

[8/26 5:23 PM] Bowen, John (MSP)

Outstanding. I was just trying to resurrect old worksheet python script that I hadn't used in a while...thinking it might be faster. I'll stand by.

[8/26 10:15 PM] Albertson, Logan (MSP)

I downloaded all the worksheets from the L drive and organized them into a folder. This is still not a complete list but I used the program below to read all the worksheets and export out the result statements.

I narrowed the list of 1632 unverified cases down to 231 that I don't have the worksheet for.

[Program.cs]

([https://stateofmichigan-my.sharepoint.com/personal/albertsonl\\_mspadmi\\_gov/Documents/Microsoft Teams Chat Files/Program.cs](https://stateofmichigan-my.sharepoint.com/personal/albertsonl_mspadmi_gov/Documents/Microsoft%20Teams%20Chat%20Files/Program.cs))

[8/26 10:21 PM] Albertson, Logan (MSP)

I decided not to go only halfway with it so I ran the same program vs the 6000+ lab numbers that we had to verify the alcohol with the worksheet results statement. From that list we have a list of 602 lab numbers that need to have the worksheet downloaded.

I'm going to start working on that list to get them all downloaded before I do the next step which will be to parse the results statement and figure out how many were positive vs negative and if we can also get the actual number that would be good too. I've done this in the past and I don't recall it being that difficult I will need to remember how it was done.

I'm going to set up these numbers to download using my script and see how many it gets through tonight without erroring and pick it up again tomorrow.

like 1

[8/28 10:46 AM] Bowen, John (MSP)

Just talked with Dan. He's going to reproduce the list of cases, so that it reflects only those cases which only have a THC-COOH reported out, and not a THC.

[8/28 10:46 AM] Churchman, Dan (MSP)

morning =)

[8/28 11:12 AM] Bowen, John (MSP)

Logan, I'll be away from work equipment this afternoon, but if you get the alcohols re-filtered, please send them to Mr Nye and I, both.

You can also call me at 517-525-3828 (personal cell) with questions.

[10:01 AM] Bowen, John (MSP)

Guys, we need another run at the THC data...we're going to prepare form letters for each county where we show them the list of cases they might want to check out. Can you help?

[10:01 AM] Bowen, John (MSP)

[9:52 AM] Bowen, John (MSP)

What list, exactly, do we want? All THC+ cases? Only those with THC only? THC only, and no EtOH?

[9:53 AM] Nye, Jeffrey V. (MSP)

THC or THC carboxy only...alcohol < 0.08 and no other drugs. Basically those cases that make up the 3215 that we reported?

[9:55 AM] Bowen, John (MSP)

Ok. So we need the list of THC and/or THC-COOH positive confirmations, where alcohol was either 'not found' or <0.08, and where there were no other drugs. We need the agency name, the county number, the lab number, the date submitted, and the date completed. Anything else?

[9:56 AM] Nye, Jeffrey V. (MSP)

not sure we need the dates since we already gave them our date range...but if you are pulling data it doesn't hurt. But yes...I think that would be it...or at least all I can think of.

[9:57 AM] Nye, Jeffrey V. (MSP)

maybe along with agency name the agency complaint number?

[10:00 AM] Bowen, John (MSP)

Yes! Complaint number. Got it

[10:07 AM] Albertson, Logan (MSP)

Agency case number and investigating agency is on all those worksheets I have downloaded.



[10:08 AM] Churchman, Dan (MSP)

Logan's alcohol data is the filter here, so if he can pull agency information, we should be good?

[10:08 AM] Churchman, Dan (MSP)

I can pull agency information on the THC data to compare I guess.

[10:15 AM] Bowen, John (MSP)

IF you can gather those other fields by searching the lab number list, maybe...?

[10:16 AM] Bowen, John (MSP)

That should be good. We just need that Jurisdiction code too...that's the county number

[10:31 AM] Churchman, Dan (MSP)

there are actually null values in my ZIP Code table, which I pull mailing address county from, so I don't even report on that anymore. I only use jurisdiction county. Some agencies 'transcend' the county level anyway, and it just makes for cleaner data

[11:05 AM] Albertson, Logan (MSP)

Dan, it looks like all the information they are looking for is in the table you emailed. Do I need to do anything on my end to help with this? I think the information I'd get from the worksheets would duplicate what you already have.

[11:06 AM] Churchman, Dan (MSP)

[9:55 AM] Bowen, John (MSP)

Ok. So we need the list of THC and/or THC-COOH positive confirmations, where alcohol was either 'not found' or <0.08, and where there were no other drugs. We need the agency name, the county number, the lab number, the date submitted, and the date completed. Anything else?

[9:56 AM] Nye, Jeffrey V. (MSP)

not sure we need the dates since we already gave them our date range...but if you are pulling data it doesn't hurt. But yes...I think that would be it...or at least all I can think of.

[9:57 AM] Nye, Jeffrey V. (MSP)

maybe along with agency name the agency complaint number?

[11:06 AM] Churchman, Dan (MSP)

this is just the THC-COOH stuff, I don't have access to the alcohol piece.

[11:06 AM] Albertson, Logan (MSP)

Ok so I need my filtered list to identify the ones in that set.

[11:07 AM] Churchman, Dan (MSP)

I DO have agency, but you indicated that you do as well, so you could just slap your agency stuff onto your alcohol stuff, which should fulfill this request. I gave you my THC / Agency stuff as a means of validating your agency stuff.

[11:07 AM] Churchman, Dan (MSP)

sometimes I call data stuff =)

[11:08 AM] Churchman, Dan (MSP)

correct, you need whatever chunk of data you had that provided that 3600 number... you can do a vlookup on the attached to pull in agency, or you can use whatever means you have to pull in agency.

[11:15 AM] Churchman, Dan (MSP)

sorry 3215, not 3600

[12:15 PM] Albertson, Logan (MSP)

I have 3214. I'm assuming you had the header highlighted? I wanted to make sure we have the same number even though it's only off by 1

[12:25 PM] Albertson, Logan (MSP)

[Exported results statements.xlsx]

[12:28 PM] Albertson, Logan (MSP)

I pulled your query into this spreadsheet and all the info I think you're looking for is on the Alcohols < 0.08 tab

[1:03 PM] Churchman, Dan (MSP)

I concur. John, the xlsx sheet above contains the data Jeff is requesting in the alcohols < .08 tab

[9:48 AM] Nye, Jeffrey V. (MSP)

quick question...where are we at with getting the list of lab numbers to send to prosecutors?

[9:48 AM] Bowen, John (MSP)

Nothing has been done on it this week.

[9:49 AM] Bowen, John (MSP)

Same with the emergency purchase...I've been pushing Geoff, who's pushing NMS...but they say they'll get us figures, today.

[9:49 AM] Nye, Jeffrey V. (MSP)

It's been a weird start to the week...but do you have an idea on when we will have that list?

[9:51 AM] Bowen, John (MSP)

I might have to work on it this weekend.

[9:52 AM] Nye, Jeffrey V. (MSP)

Is it something Logan can do?

like 1

[9:52 AM] Bowen, John (MSP)

What list, exactly, do we want? All THC+ cases? Only those with THC only? THC only, and no EtOH?

[9:53 AM] Nye, Jeffrey V. (MSP)

THC or THC carboxy only...alcohol < 0.08 and no other drugs. Basically those cases that make up the 3215 that we reported?

[9:55 AM] Bowen, John (MSP)

Ok. So we need the list of THC and/or THC-COOH positive confirmations, where alcohol was either 'not found' or <0.08, and where there were no other drugs. We need the agency name, the county number, the lab number, the date submitted, and the date completed. Anything else?

[9:56 AM] Nye, Jeffrey V. (MSP)

not sure we need the dates since we already gave them our date range...but if you are pulling data it doesn't hurt. But yes...I think that would be it...or at least all I can think of.

[8/26 1:44 PM] Bowen, John (MSP)

1. how many THC-positive reports have we put out? 13,567
2. how many THC-only reports (subset of above) 6,433

[8/26 1:44 PM] Bowen, John (MSP)

draft values there

[8/26 1:45 PM] Bowen, John (MSP)

| Count of Cases | Reported Categories |              |          |
|----------------|---------------------|--------------|----------|
| Submitted Year | THC + Other         | THC Reported | Only THC |
| 2019           | 1133                | 2042         | 909      |
| 2020           | 2486                | 4684         | 2198     |
| 2021           | 2577                | 4954         | 2377     |
| 2022           | 938                 | 1887         | 949      |
| Grand Total    | 7134                | 13567        | 6433     |

Still preliminary on this. We're getting confident in this number, but still testing some possible interferences in these results.

[8/26 2:15 PM] Bowen, John (MSP)

Of those 6,433 THC-only cases, 972 of them have a negative alcohol (no alcohol). Another 1,636 are alcohols that we don't have the data for, and would require a manual lookup to confirm them.

Of those 6,433 with a positive alcohol result (alcohol present):

- o 3,160 at/above 0.08
- o 1,281 at/above 0.17 (these are included in the 3,160 above)

[8/26 4:52 PM] Bowen, John (MSP)

Logan Albertson personal cell - (248) 736-0362

[8/26 5:09 PM] Bowen, John (MSP)

Mr. Albertson is on board with helping this weekend. The process to get this data is, roughly:

He has a script that has to be run on a SoM computer with FA; that script 'automates' FA - meaning that it clicks and types its way through FA windows, opening and closing them rapidly, thousands of times, copying and pasting data directly from the worksheets. It takes a long time to run.

We're planning to get his and my computers running it early tomorrow morning. If things go well we should have all the data by tomorrow night.

like 1

[8/26 8:02 PM] Larrison, Ryan M. (MSP)

My weekend phone is [REDACTED]

like 1

[8/26 8:34 PM] Nye, Jeffrey V. (MSP)

Awesome on the data. Does that mean you both will be in the office?

[8/26 11:43 PM] Bowen, John (MSP)

No. Should be done by VPN, we hope.

[8/28 1:17 AM] Bowen, John (MSP)

From Logan, confirmation of numbers:

"6433 cases that only had a THC (or THC-COOH) positive and no other drug analytes (this was from Dan's list)

Of those 6433, 2593 had a result of 0 or "Alcohol not detected" on the report

3219 of the 6433 have a positive alcohol at a 0.080 or greater

1543 have a positive alcohol at 0.170 or greater"

[8/28 1:18 AM] Bowen, John (MSP)

He re-ran all the cases to purify the results.

[8/28 4:13 AM] Nye, Jeffrey V. (MSP)

Will you call in the morning? I'm not tracking on the numbers.

[8/28 9:54 AM] Bowen, John (MSP)

This might be a little clearer:

6,433 cases had a THC (or THC-COOH) positive and no other drug analytes (this was from Dan's list)

- Of those 6,433, 2593 had a result of 0 or "Alcohol not detected" on the report

- that leaves 3,840 (6433-2593) with a positive alcohol

  - \* 3,219 of the those have an alcohol  $\geq 0.080$

    - 1,543 (as a subset of the 3,219) have a positive alcohol at 0.170 or greater

  - \* 1,676 (3,219-1,543) have a positive alcohol between 0.08 and 0.17

[8/28 9:58 AM] Bowen, John (MSP)

That also leaves 1,538 cases (3840-3219-1676) with a positive reported alcohol under 0.08

[8/28 10:03 AM] Nye, Jeffrey V. (MSP)

I'm available any time. You clarified with that last post but just a couple quick questions.

[8/28 10:08 AM] Nye, Jeffrey V. (MSP)

Actually I do have a clarification. Wouldn't the number of THC positive with alcohol above zero and below 0.080 be 3840-3219 or 621? Add that to the reported THC no alcohol of 2593 for a total of 3214? Probably need a call so I am clear.

[8/28 10:13 AM] Bowen, John (MSP)

Oops. Yes, you're right about that!

[8/30 9:58 PM] Nye, Jeffrey V. (MSP)

we have final statements that will be ready to release in the AM.

like 1

[9/1 8:08 AM] Nye, Jeffrey V. (MSP)

I'm reasonably open today. There are some things we need to tackle such as getting a template for the prosecutor letters and getting the finalized county-based lists to Gary/Jen. We need to move on the emergency purchase for outsourcing or at least get the last of the documents we need to get it submitted. We need to make sure Nick has a final decision on his validation method. And...we really need to finalize an agenda for the Symposium. We are going to need to pull this thing together at the last minute.

like 1

[9/1 8:11 AM] Bowen, John (MSP)

I'm working on the emergency purchase. I'm still getting information about cost.

[9/1 8:14 AM] Bowen, John (MSP)

Unfortunately, everyone is going to have to understand that "emergency purchase" doesn't mean "test 200 kits overnight". It turns out our lab isn't the only one with capacity limits.

like 1

[9/1 8:14 AM] Nye, Jeffrey V. (MSP)

that's right. That can work in our favor, to be honest.

like 1

[9/1 8:51 AM] Bowen, John (MSP)

I think, to some extent at least, there is a perception that FSD labs are somehow "less than" because we talk about our limits - TaT, capacity, detection, etc. So some people think a lab like NMS is just sitting out there with a perfect solution, cheaper, faster, better, etc. We know, and it's obvious to us, that's not the case, but we probably should try to balance those thoughts in the minds of our own command, and maybe key members of the Task Force, too.

[Yesterday 2:08 PM] Larrison, Ryan M. (MSP)

Was there a LEIN release of our stakeholder notification letter info?

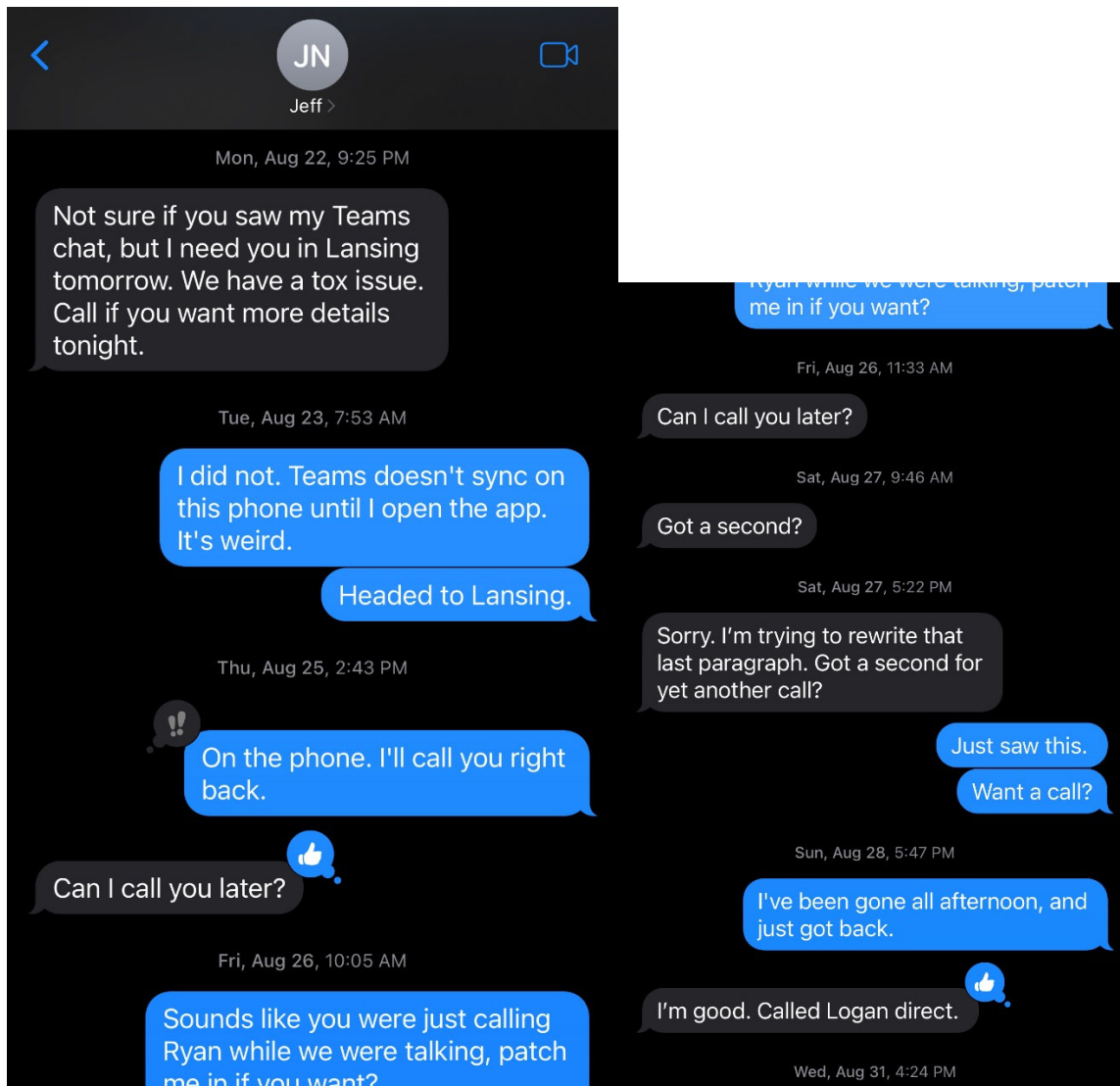
[Yesterday 2:09 PM] Nye, Jeffrey V. (MSP)

no idea...why? I did send it to MACP and MSA.

[Yesterday 2:13 PM] Larrison, Ryan M. (MSP)

Nick is looking at his deviation authorization and wanted to know.

like 1





Monday 7:43 PM

I'm back home, but I have a dentist appointment tomorrow afternoon. I'll WFH for the morning, unless you want me in the office?

We will have some movement we need to push on the emergency purchase and letters to prosecutors. If you can do that from home, which I suspect you can...I'm good.

Ok.

Tried (barely) to reach Tiffanie Friday about the purchase, but didn't get her.



No problem. Reminder for tomorrow. Inmate request related to THC and bay city outsource blood sample with rush. We can talk about those two tomorrow.

Wed, Aug 31, 4:24 PM

Can I call you later?

Wed, Aug 31, 5:26 PM

Nick did not testify

Figures

**From:** [Fillinger, Nicholas \(MSP\)](#)  
**To:** [Amy](#); [Curt](#); [Nathalie](#); [Roman](#); [Roxane](#); [Tim](#)  
**Subject:** cannabinoid analysis derivatizing reagent  
**Date:** Tuesday, August 23, 2022 1:32:00 PM  
**Attachments:** [image001.png](#)

---

Have any of you encountered HFIP/PFP converting CBD into THC, either personally with your assay, or in literature?

Nicholas Fillinger  
Toxicology Technical Leader  
Michigan State Police  
Forensic Science Division  
7320 N Canal Rd  
Lansing, MI 48913  
[REDACTED]

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**From:** [Fillinger, Nicholas \(MSP\)](#)  
**To:** [French, Geoffrey \(MSP\)](#); [Gill, Greta \(MSP\)](#)  
**Cc:** [Kelloqg, Samantha \(MSP\)](#); [Geiger, Jordyn \(MSP\)](#)  
**Subject:** CAR on THC and CBD  
**Date:** Thursday, August 25, 2022 9:35:00 AM  
**Attachments:** [image001.png](#)

---

Geoff, Greta,

For the CAR that I'm opening, I want to have objective proof of the % conversion of CBD to THC. I know that we've estimated it, based upon the 20 ng/mL CBD control that was analyzed, but I want to have more than an estimate.


Jordyn, Sam,

Would one of you please analyze a batch of cannabinoids with the following:

- Calibration curve
- Controls
- 5 ng/mL CBD extracted in triplicate
- 20 ng/mL CBD extracted in triplicate
- 40 ng/mL CBD extracted in triplicate

I imagine that your first question may be why am I doing this. When I'm asked how I objectively know that the CBD was converted to THC, I have the proof that I need. When I'm asked if I have any idea about the conversion rate, I have to be able to say more than it was estimated. I know this is some additional work for you, I appreciate your efforts.

Thank you,

Nicholas Fillinger  
Toxicology Technical Leader  
Michigan State Police  
Forensic Science Division  
7320 N Canal Rd  
Lansing, MI 48913  


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**From:** [Fillinger, Nicholas \(MSP\)](#)  
**To:** [Albertson, Logan \(MSP\)](#); [Angst, Julia \(MSP\)](#); [Beauchamp, Samantha \(MSP\)](#); [Bennett, Diane \(MSP\)](#); [Carlstrom, Dawn \(MSP\)](#); [Dailey, Kimberly \(MSP\)](#); [Faust, Tabitha \(MSP\)](#); [Fillinger, Nicholas \(MSP\)](#); [French, Geoffrey \(MSP\)](#); [Geiger, Jordyn \(MSP\)](#); [Gifford, Ryan \(MSP\)](#); [Gill, Greta \(MSP\)](#); [Kellogg, Samantha \(MSP\)](#); [Norris, Lindsay \(MSP\)](#); [Perez, Rachel \(MSP\)](#); [Rusch, Patricia \(MSP\)](#); [Thelen, Jay \(MSP\)](#); [Vandervest, Mark \(MSP\)](#)  
**Subject:** CBD, THC Stakeholder Letter  
**Date:** Wednesday, August 31, 2022 10:03:00 AM  
**Attachments:** [CJ Partner Notification 08312022JN.pdf](#)  
[image001.png](#)

---

Good Morning,

The attached letter was provided to our criminal justice partners a short time ago.

Nicholas Fillinger  
Toxicology Technical Leader  
Michigan State Police  
Forensic Science Division  
7320 N Canal Rd  
Lansing, MI 48913  
[REDACTED]

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**From:** [Fillinger, Nicholas \(MSP\)](#)  
**To:** [Larrison, Ryan M. \(MSP\)](#)  
**Cc:** [Nye, Jeffrey V. \(MSP\)](#); [Bowen, John \(MSP\)](#)  
**Subject:** CJ letter draft  
**Date:** Wednesday, August 24, 2022 12:27:00 PM  
**Attachments:** [image001.png](#)  
[THC and CBD draft letter.docx](#)

---

Afternoon everyone, I hope all is well.

I have a draft letter that I'd like to share with you all. It's very simple, and gets to the point of addressing three things:

- We have identified a problem and we want you to know about it
- You can have confidence that the laboratory is taking steps to ensure all future results are accurate
- If you're a prosecutor, please be aware of how you handle this in court (but stating it in a way that doesn't directly tell them that)

It's a rough draft for a reason, let me know what you think.

Nicholas Fillinger  
Toxicology Technical Leader  
Michigan State Police  
Forensic Science Division  
7320 N Canal Rd  
Lansing, MI 48913  
[REDACTED]

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From John Rieser:

Hello from John Reiser. The Jackson County Pros Atty sent out a memo to judges and the defense bar that their office "will not be ably to rely on the MSP Crime Lab toxicology screening." I got a copy that atty Mike Nichols sent to the state bar's Cannabis Law Section. I forwarded it to Geoff French. Will send to you also if I have your email

**From:** [Fillinger, Nicholas \(MSP\)](#)  
**To:** [Larrison, Ryan M. \(MSP\)](#)  
**Cc:** [Bowen, John \(MSP\)](#); [Nye, Jeffrey V. \(MSP\)](#)  
**Subject:** RE: article  
**Date:** Wednesday, August 24, 2022 1:13:00 PM  
**Attachments:** [image001.png](#)

---

You are welcome.

My original email is backwards, they showed conversion of CBD to THC.

---

**From:** Larrison, Ryan M. (MSP) <[LarrisonR@michigan.gov](mailto:LarrisonR@michigan.gov)>  
**Sent:** Wednesday, August 24, 2022 1:13 PM  
**To:** Fillinger, Nicholas (MSP) <[FillingerN@michigan.gov](mailto:FillingerN@michigan.gov)>  
**Cc:** Bowen, John (MSP) <[BowenJ1@michigan.gov](mailto:BowenJ1@michigan.gov)>; Nye, Jeffrey V. (MSP) <[NyeJ1@michigan.gov](mailto:NyeJ1@michigan.gov)>  
**Subject:** RE: article

Thank you for continuing to fully examine and increase our understanding of this issue Nick.

---

**From:** Fillinger, Nicholas (MSP) <[FillingerN@michigan.gov](mailto:FillingerN@michigan.gov)>  
**Sent:** Wednesday, August 24, 2022 12:52 PM  
**To:** Larrison, Ryan M. (MSP) <[LarrisonR@michigan.gov](mailto:LarrisonR@michigan.gov)>  
**Cc:** Bowen, John (MSP) <[BowenJ1@michigan.gov](mailto:BowenJ1@michigan.gov)>; Nye, Jeffrey V. (MSP) <[NyeJ1@michigan.gov](mailto:NyeJ1@michigan.gov)>  
**Subject:** article

If you take a look at page 3, LAB B used the same derivatizing reagents that we use, and they're conversion of THC to CBD is really high.

I never knew about this article.

Nicholas Fillinger  
Toxicology Technical Leader  
Michigan State Police  
Forensic Science Division  
7320 N Canal Rd  
Lansing, MI 48913  


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**From:** [Fillinger, Nicholas \(MSP\)](#)  
**To:** [Hartman, Rebecca L](#)  
**Subject:** RE: cannabinoid analysis derivatizing reagent  
**Date:** Wednesday, August 24, 2022 2:57:00 PM  
**Attachments:** [image003.png](#)

---

Thank you!

---

**From:** Hartman, Rebecca L <RebeccaHartman@monroecounty.gov>  
**Sent:** Wednesday, August 24, 2022 2:56 PM  
**To:** Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>  
**Subject:** RE: cannabinoid analysis derivatizing reagent

**CAUTION: This is an External email. Please send suspicious emails to [abuse@michigan.gov](mailto:abuse@michigan.gov)**

Sorry for the delayed reply; I was out of the office yesterday.

CBD can be converted to THC if acidic derivatization reagents are used. I'm afraid I can only point you to other researchers, because I've never done cannabinoids by GC. You may find this paper useful:

J Anal Toxicol. 2022 May 20;46(5):573-576. Hart, E. D., Vikingsson, S., Mitchell, J. M., Winecker, R. E., Flegel, R., & Hayes, E. D.  
Conversion of 7-Carboxy-Cannabidiol (7-COOH-CBD) to 11-Nor-9-Carboxy-Tetrahydrocannabinol (THC-COOH) during Sample Preparation for GC-MS Analysis  
PMID: 33987675 DOI: 10.1093/jat/bkab046  
<https://pubmed.ncbi.nlm.nih.gov/33987675/>

From the paper:

"...the conversion of CBD to THC during the analytical processes has been reported when CBD was derivatized using perfluorinated anhydrides in combination with perfluorinated alcohols (15). The use of perfluorinated anhydrides in combination with perfluorinated alcohol for derivatization of cannabinoids has been used in forensic toxicology for about 40 years in urine, blood products and hair testing (16–23)."

Assuming PFP is Pentafluoropropionic anhydride, would definitely be concerned about conversion.

Hope this helps.

Best regards,  
RLH

**Rebecca L. Hartman, PhD, F-ABFT**  
Chief Toxicologist  
Monroe County Office of the Medical Examiner  
Monroe County, NY



P: [REDACTED] F: (585) 324-1609  
[rebeccahartman@monroecounty.gov](mailto:rebeccahartman@monroecounty.gov)

**From:** Fillinger, Nicholas (MSP) [<mailto:FillingerN@michigan.gov>]  
**Sent:** Tuesday, August 23, 2022 1:40 PM  
**To:** Hartman, Rebecca L <[RebeccaHartman@monroecounty.gov](mailto:RebeccaHartman@monroecounty.gov)>  
**Subject:** cannabinoid analysis derivatizing reagent

CAUTION: This email originated from outside Monroe County systems. Exercise caution when opening attachments or clicking links, especially from unknown senders.

~~~~~

Dr. Hartman,

I was wondering if you have ever heard of HFIP/PFP converting CBD to THC?

Nicholas Fillinger
Toxicology Technical Leader
Michigan State Police
Forensic Science Division
7320 N Canal Rd
Lansing, MI 48913
[REDACTED]

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From: [Fillinger, Nicholas \(MSP\)](#)
To: [Timothy Fassette](#)
Subject: RE: cannabinoid analysis derivatizing reagent
Date: Tuesday, August 23, 2022 1:42:00 PM
Attachments: [image001.png](#)
[image002.png](#)

Yes sir.

From: Timothy Fassette <Timothy.Fassette@cityofhenderson.com>
Sent: Tuesday, August 23, 2022 1:42 PM
To: Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>
Subject: RE: cannabinoid analysis derivatizing reagent

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Are you using HFIP/PFP for a GC/MS analysis?



Honor
Professionalism
Dedication

Timothy Fassette, M.S., FTS-ABFT P#1618
Senior Forensic Toxicologist | Criminalistics Bureau
222 Lead St, Henderson, NV 89015

☎ 702.267.4816 | 📠 702.267.4839
Monday – Thursday | 07:30AM – 5:30PM
✉ timothy.fassette@cityofhenderson.com

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From: Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>
Sent: Tuesday, August 23, 2022 10:33 AM
To: Amy <amy.miles@slh.wisc.edu>; Curt <curt.harper@adfs.alabama.gov>; Nathalie <Nathalie.Desrosiers@rcmp-grc.gc.ca>; Roman <rpkaras@fbi.gov>; Roxane <roxane.ritter@faa.gov>; Timothy Fassette <Timothy.Fassette@cityofhenderson.com>
Subject: cannabinoid analysis derivatizing reagent

EXTERNAL EMAIL – USE CAUTION

Have any of you encountered HFIP/PFP converting CBD into THC, either personally with your assay,

or in literature?

Nicholas Fillinger
Toxicology Technical Leader
Michigan State Police
Forensic Science Division
7320 N Canal Rd
Lansing, MI 48913
[REDACTED]

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[City of Henderson Survey](#)



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From: [Fillinger, Nicholas \(MSP\)](#)
To: [Geiger, Jordyn \(MSP\)](#)
Cc: [Gill, Greta \(MSP\)](#); [French, Geoffrey \(MSP\)](#); [Kellogg, Samantha \(MSP\)](#)
Subject: RE: THC/CBD Experiment
Date: Wednesday, August 24, 2022 12:08:00 PM
Attachments: [2019- Hart- Cannabinoid Metabolites Pose Analytical Challenges in Urine Drug Testing Laboratories.pdf](#)
[image001.png](#)

Thank you, I appreciate you doing that.

I have a couple of articles that I've requested from the library that I'll share when I get them.

In the meantime, if you haven't come across this one, it's more information to add.

Nick

From: Geiger, Jordyn (MSP) <GeigerJ@michigan.gov>
Sent: Wednesday, August 24, 2022 9:22 AM
To: Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>
Cc: Gill, Greta (MSP) <GillG@michigan.gov>; French, Geoffrey (MSP) <FrenchG@michigan.gov>; Kellogg, Samantha (MSP) <KelloggS1@michigan.gov>
Subject: THC/CBD Experiment

Nick,

Attached is the write up that you asked for. Sam also reviewed it for me. Please let us know if you have any questions.

Thank you,

Jordyn Geiger
Forensic Scientist-Toxicology
Forensic Science Division
Michigan State Police
7320 N. Canal Rd.
Lansing, MI 48913
[REDACTED]

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immediately. Correspondence referencing a case(s) may be retained as part of the laboratory case record and be subject to Freedom of Information Act requests.

From: [Larrison, Ryan M. \(MSP\)](#)
To: [Larrison, Ryan M. \(MSP\)](#)
Subject: Article
Date: Wednesday, August 24, 2022 2:05:59 PM

<https://academic.oup.com/jat/article/36/1/61/890089>

Ryan Larrison
Quality Assurance Manager
Forensic Science Division
Michigan State Police
7320 N. Canal Rd
Lansing, MI 48913

From: [Larrison, Ryan M. \(MSP\)](#)
To: [Nye, Jeffrey V. \(MSP\)](#)
Subject: Articles
Date: Monday, August 29, 2022 11:05:00 AM
Attachments: [Journal Analytical Tox 2012.pdf](#)
[2019- Hart- Cannabinoid Metabolites Pose Analytical Challenges in Urine Drug Testing Laboratories.pdf](#)
[image001.png](#)

Inspector Ryan M. Larrison
Quality Assurance Manager
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48910
Office/Cell: [REDACTED]

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Cannabidiol (CBD) to THC Conversion Problem (8/24/22)

To our Criminal Justice Stakeholders throughout Michigan,

The Michigan State Police Forensic Science Division's (MSP FSD) Toxicology Discipline has for many years used a specific procedure to prepare blood samples for the analysis of different compounds, including tetrahydrocannabinol (THC).

To prepare a blood sample to be tested for the presence of THC in a GC/MS instrument, a derivatizing reagent must be used to modify the THC slightly so it has properties that make it most suitable for detection and quantification within the instrument.

The toxicology unit discovered on August 22, 2022, that the derivatizing reagent that they have been using for a long time was probably also having the effect of converting any cannabidiol (CBD) within a blood sample into THC. CBD is not controlled nor is it the subject of OUID cases because it is not considered to be psychoactive; THC is obviously controlled and is frequently a subject of OUID cases.

Testing was done this week to confirm whether this phenomenon was occurring. Thus far, it appears that the method and derivatizing reagent is indeed converting CBD in blood samples into THC at a very high rate.

Here are the resulting problems:

If a person had ONLY taken CBD:

If only CBD was in a blood sample, it would be converted to THC in this method and incorrectly reported as THC.

If a person had taken BOTH CBD and THC:

Most of the CBD would be converted to THC, increasing the quantified levels of THC in the sample.

For this reason, we cannot trust the reported THC quantities from any cases where this instrument method and reagent were used and are strongly urging prosecutors who have cases pending to act appropriately on this information.

This problem only relates to CBD and THC. Other legal issues may be considered like the presence of other drug types in a sample and visible impairment.

We are continuing to gather additional facts and analyses surrounding this testing issue and will be placing an official notification to stakeholders as soon as we can.



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF STATE POLICE
FORENSIC SCIENCE DIVISION

COL. JOSEPH M. GASPER
DIRECTOR

August 31, 2022

Criminal Justice Partners:

The Michigan State Police Forensic Science Division (MSP/FSD) is committed to providing the highest standard of forensic services to the criminal justice community. The MSP/FSD is accredited in toxicology and analyzes approximately 20,000 samples annually for the presence of alcohol and/or drugs pursuant to a forensic examination request. The men and women who work in the MSP/FSD strive to provide laboratory testing services that are timely, transparent, and scientifically accurate.

One drug in the unit's scope of analysis is tetrahydrocannabinol (THC). THC is one of more than 100 cannabinoids in the *cannabis sativa* plant and is the primary constituent for the psychoactive properties of marijuana. Cannabidiol (CBD), structurally similar to THC, is one of the many cannabinoids present in the *cannabis sativa* plant that is reported to have no psychoactive properties. Since March 28, 2019, CBD has been legal under Michigan law.

On August 22, 2022, the MSP/FSD halted the processing of samples using the current THC confirmation assay due to a concern that CBD* may be converted to THC during laboratory analysis, which could lead to inaccurate test results. Subsequent quality evaluations and review led to the discovery that the specific laboratory confirmatory method in use by the Toxicology Unit for THC may cause 1) THC to be identified when the sample contains THC, 2) THC to be identified when the sample contains a combination of THC and CBD, or 3) THC to be identified when the sample contains CBD alone.

Analysis of biological samples for the presence of drugs consists of two primary steps: sample preparation and instrumental analysis. One step within the sample preparation method involves the addition of chemicals to stabilize the drugs of interest for subsequent instrumental analysis. Due to the structural similarity between CBD and THC, the stabilizing chemicals may have the unintended consequence of converting CBD to THC.

With this discovery, the MSP/FSD immediately halted the processing of samples using the THC confirmatory method and began working to institute another validated method of testing to ensure accuracy. Most immediately our concern was for the impact this finding may have on active legal proceedings where an individual allegedly used CBD alone and no other intoxicating substances. To mitigate this risk, on August 25, 2022, the laboratory shared the limited information we had with the Prosecuting Attorneys Association of Michigan for dissemination to prosecutors statewide.

After further review, we now believe that cases potentially impacted by this finding include those occurring on or after March 28, 2019, where the alleged violation is based on the finding of THC alone and there is insufficient evidence of impairment, intoxication, or recent use of marijuana to otherwise support the charged offense. The department has identified approximately 3,250 THC confirmed cases during this time period that did not have other drugs within the scope of analysis and/or alcohol detected above the 0.08% legal threshold. The MSP/FSD will be sharing these cases directly with the involved prosecutor as soon as possible so additional review can be done as to the potential impact to these cases.

**The metabolite of CBD, 7-COOH-CBD (7-carboxy-cannabidiol), may be converted to a metabolite of THC, COOH-THC (carboxy-tetrahydrocannabinol), using the current laboratory method. When referencing CBD conversion to THC throughout this document, it includes those cases in which 7-COOH-CBD may have been converted to COOH-THC.*

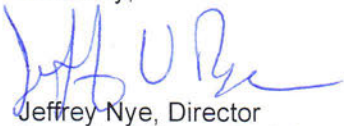
While the laboratory is not currently confirming the presence of THC in submitted samples, a contract will be established with a private, accredited laboratory for those services. We are also actively validating a new cannabinoid confirmatory method that will include THC. This validation will ensure similar issues with drug interference will not happen in the future. In the interim, police officers should continue to obtain biological samples and submit them as normal to the MSP/FSD. It should also be noted only THC confirmed results are in question and testing for other drugs is continuing within the Toxicology Unit as normal.

The MSP/FSD maintains toxicology blood samples for at least two years from the time the sample is taken. Until further notice, the laboratory will retain all toxicology blood tubes so that future retesting may be conducted, if necessary.

If you currently have a positive THC confirmation report issued by the laboratory, and you do not have other evidence of impairment, such as driving behavior, individual observations, results of Standardized Field Sobriety Tests (SFSTs), Drug Recognition Expert (DRE) evaluations, or other indicators of THC, please consider the alternative explanation that the sample may be positive for CBD alone.

We have already self-reported this matter to our accrediting body, ANAB (ANSI National Accreditation Board), and requested an independent review. It is my hope the actions we have taken in response to this issue demonstrate to you our timely, transparent, and ethical response to an emerging technical issue.

Sincerely,



Jeffrey Nye, Director
Forensic Science Division
Michigan State Police

From: [Larrison, Ryan M. \(MSP\)](#)
To: [Bowen, John \(MSP\)](#); [Nye, Jeffrey V. \(MSP\)](#)
Subject: FW: additional cannabinoid information
Date: Monday, August 22, 2022 10:14:00 AM
Attachments: [image001.png](#)

A heads up on what is being discussed. I am not aware of the exact cannabinoid GC issue.

From: Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>
Sent: Monday, August 22, 2022 9:59 AM
To: French, Geoffrey (MSP) <FrenchG@michigan.gov>; Gill, Greta (MSP) <GillG@michigan.gov>
Subject: additional cannabinoid information

Geoff, Greta,

I just met with Sam and Jordyn via Teams. They wanted to share some information about a recent case that they are investigating, and a proposal for a study that they want to do. I approved their study, it's really important. They're going to do some work with CBD and our current derivatizing reagent.

They also shared that there are currently issues with retention time on GC/MS2 and 6, and 12 is still not up and going yet. Apparently, Sami's batch barely made it through because the RT had shifted out so much.

Based upon all of this new information, I think we should reverse course on the validation of GC/MS 12, and not do it, and begin full-speed with the validation the LC method. I also do not think we should continue to run batches on GC (depending on the results of their study that may be the case anyway). My goal would be to have that method validated, with protocol and worksheets done, in 45-ish days, by 10/1. I will make going through that data my priority. Your backlog would increase for cannabinoids during that period, by about 3 batches per week. Sam and Jordyn estimate that when the LC method is up, using a quicker SLE extraction, and having Logan, Sam, Tabitha and themselves competent, they'd catch up with all cannabinoid cases in 3-4 weeks. This is of course if you agree with making sure that they are primarily doing the cannabinoid assay and other people in the unit are picking up the other assays.

What do you guys think? Backlog and case assignment are your call.

Thanks,

Nicholas Fillinger
Toxicology Technical Leader
Michigan State Police
Forensic Science Division
7320 N Canal Rd
Lansing, MI 48913


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From: [Larrison, Ryan M. \(MSP\)](#)
To: [Gill, Greta \(MSP\)](#); [French, Geoffrey \(MSP\)](#); [Geiger, Jordyn \(MSP\)](#)
Cc: [Fillinger, Nicholas \(MSP\)](#); [Nye, Jeffrey V. \(MSP\)](#); [Bowen, John \(MSP\)](#); [Daniels, Gary \(MSP\)](#); [Wilson, Jennifer \(MSP\)](#)
Subject: FW: Notification of THC Issue
Date: Friday, September 2, 2022 4:30:00 PM
Attachments: [image001.png](#)

Greta and Geoff,

Mr. Janer, APA at Bay County, has a case in which sentencing has been taken under advisement by the judge. Mr. Janer is requesting that we send his sample for re-testing at NMS as soon as possible. This is very soon and I know a process is probably going to be developed further, but here is an early request.

Ryan

From: Ryan Janer <JanerR@baycounty.net>
Sent: Friday, September 2, 2022 4:04 PM
To: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>
Subject: Re: Notification of THC Issue

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Defendant: [REDACTED]
Agency: MSP
Incident No.: 30-410-20
Laboratory No.: TX20-13314
Date Received: September 15th, 2020
Forensic Scientist: Jordyn Geiger

Please send sample for retesting ASAP. Thanks.

Ryan

Ryan J. Janer

Assistant Prosecuting Attorney
Bay County Prosecutor's Office
1230 Washington Avenue, Suite 768
Bay City, Michigan 48708
P: (989) 895-4185
F: (989) 895-4167
JanerR@baycounty.net

From: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>
Sent: Wednesday, August 31, 2022 9:47 AM
To: Ryan Janer <JanerR@baycounty.net>
Cc: Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>
Subject: Notification of THC Issue

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Ryan,

This was released to CJ stakeholders, including CDAM/SADO etc in the past ten minutes. Please feel free to share with Mr. Komorn and the judge.

Sincerely,

Inspector Ryan M. Larrison
Quality Assurance Manager
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48910
Office/Cell: [REDACTED]

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[8/23 7:14 AM] Larrison, Ryan M. (MSP)

█ I got █ starting about 11 last nite and I'm still in rough shape. So when we meet I'll be on teams if I can. Jeff has a lot of questions obviously.

[8/23 7:41 AM] Fillinger, Nicholas (MSP)

sorry to hear that, that stinks - I'll catch up with you on Teams later this morning

[8/24 7:49 AM] Fillinger, Nicholas (MSP)

i hope you are feeling better today - i felt like crap yesterday when i left the lab so i brought my laptop home, not feeling too much better this morning - let me know when you want to meet about the THC issue, I'll get on Teams

[8/24 9:00 AM] Larrison, Ryan M. (MSP)

Ok I'm in training until noon

[8/25 9:28 AM] Larrison, Ryan M. (MSP)

<https://academic.oup.com/jat/article/36/1/61/890089> Best, earliest article I have seen yet warning about the derivitizing reagent used.

Production of Identical Retention Times and Mass Spectra for Δ^9 -Tetrahydrocannabinol and Cannabidiol Following Derivatization with Trifluoroacetic Anhydride with 1,1,1,3,3,3-Hexafluoroisopropanol*

Abstract. The use of perfluorinated anhydrides coupled with perfluoroalcohols for the derivatization of cannabinoids has been well documented. Derivatization is

[8/25 10:09 AM] Fillinger, Nicholas (MSP)

confirming that we called PAAM this morning and verbally relayed what was going on?

[8/25 10:20 AM] Larrison, Ryan M. (MSP)

Yes.

[Tuesday 11:58 AM] Fillinger, Nicholas (MSP)

does Thursday at 9:30am work for cause mapping?

[Tuesday 12:11 PM] Larrison, Ryan M. (MSP)

Yes

[Tuesday 12:12 PM] Larrison, Ryan M. (MSP)

Ah actually it doesn't

[Tuesday 12:12 PM] Larrison, Ryan M. (MSP)

Friday is my only clear day

[Tuesday 12:16 PM] Fillinger, Nicholas (MSP)

let me check on Friday with the supervisors

[Tuesday 12:37 PM] Fillinger, Nicholas (MSP)

Friday will work

[Yesterday 3:43 PM] Larrison, Ryan M. (MSP)

If you can swing by my office really quick...

[Yesterday 3:44 PM] Fillinger, Nicholas (MSP)

on my way

From: [Larrison, Ryan M. \(MSP\)](#)
To: janerr@baycounty.net
Cc: [Fillinger, Nicholas \(MSP\)](#)
Subject: Notification of THC Issue
Date: Wednesday, August 31, 2022 9:47:00 AM
Attachments: [CJ Partner Notification_08312022JN.pdf](#)
[image001.png](#)

Ryan,

This was released to CJ stakeholders, including CDAM/SADO etc in the past ten minutes. Please feel free to share with Mr. Komorn and the judge.

Sincerely,

Inspector Ryan M. Larrison
Quality Assurance Manager
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48910
Office/Cell: [REDACTED]

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From: [Larrison, Ryan M. \(MSP\)](#)
To: [Nye, Jeffrey V. \(MSP\)](#); [Bowen, John \(MSP\)](#)
Subject: RE: additional cannabinoid information
Date: Monday, August 22, 2022 11:30:00 AM
Attachments: [image001.png](#)

My suggestion last week was that we all (FSD, Gary, Tox, Nick) need to meet briefly to lay out the project timelines and some understanding that getting there would have a cost that we understood. So...we can adjust our timeline on the multiple validations and tweak the operational impact. Get everyone in agreement on what that would look like, then commit to a timeline. Nick is the major bottleneck though...not the scientists from what I am told.

From: Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>
Sent: Monday, August 22, 2022 11:06 AM
To: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>
Subject: RE: additional cannabinoid information

My only comment on this is that Nick needs to walk a fine line with going direct with two scientists and making decisions about committing them to a project that will take them away from operational things. The end point is exactly what I think it should be...but I just want to make sure that Nick is including the sups and/or LD before a final assignment is made. Hopefully that makes sense.

From: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>
Sent: Monday, August 22, 2022 10:14 AM
To: Bowen, John (MSP) <BowenJ1@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>
Subject: FW: additional cannabinoid information

A heads up on what is being discussed. I am not aware of the exact cannabinoid GC issue.

From: Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>
Sent: Monday, August 22, 2022 9:59 AM
To: French, Geoffrey (MSP) <FrenchG@michigan.gov>; Gill, Greta (MSP) <GillG@michigan.gov>
Subject: additional cannabinoid information

Geoff, Greta,

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What do you guys think? Backlog and case assignment are your call.

Thanks,

Nicholas Fillinger
Toxicology Technical Leader
Michigan State Police
Forensic Science Division
7320 N Canal Rd
Lansing, MI 48913
[REDACTED]

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From: [Larrison, Ryan M. \(MSP\)](#)
To: [Fillinger, Nicholas \(MSP\)](#)
Cc: [Bowen, John \(MSP\)](#); [Nye, Jeffrey V. \(MSP\)](#)
Subject: RE: article
Date: Wednesday, August 24, 2022 1:12:00 PM
Attachments: [image001.png](#)

Thank you for continuing to fully examine and increase our understanding of this issue Nick.

From: Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>
Sent: Wednesday, August 24, 2022 12:52 PM
To: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>
Cc: Bowen, John (MSP) <BowenJ1@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>
Subject: article

If you take a look at page 3, LAB B used the same derivatizing reagents that we use, and they're conversion of THC to CBD is really high.

I never knew about this article.

Nicholas Fillinger
Toxicology Technical Leader
Michigan State Police
Forensic Science Division
7320 N Canal Rd
Lansing, MI 48913


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From: [Larrison, Ryan M. \(MSP\)](#)
To: [Fillinger, Nicholas \(MSP\)](#)
Cc: [Bowen, John \(MSP\)](#); [Nye, Jeffrey V. \(MSP\)](#)
Subject: RE: article
Date: Wednesday, August 24, 2022 1:17:00 PM
Attachments: [image001.png](#)

Yeah, I went in and noticed that and just figured you inverted the acronyms.

From: Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>
Sent: Wednesday, August 24, 2022 1:14 PM
To: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>
Cc: Bowen, John (MSP) <BowenJ1@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>
Subject: RE: article

You are welcome.

My original email is backwards, they showed conversion of CBD to THC.

From: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>
Sent: Wednesday, August 24, 2022 1:13 PM
To: Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>
Cc: Bowen, John (MSP) <BowenJ1@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>
Subject: RE: article

Thank you for continuing to fully examine and increase our understanding of this issue Nick.

From: Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>
Sent: Wednesday, August 24, 2022 12:52 PM
To: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>
Cc: Bowen, John (MSP) <BowenJ1@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>
Subject: article

If you take a look at page 3, LAB B used the same derivatizing reagents that we use, and they're conversion of THC to CBD is really high.

I never knew about this article.

Nicholas Fillinger
Toxicology Technical Leader
Michigan State Police
Forensic Science Division
7320 N Canal Rd
Lansing, MI 48913


"A **PROUD** tradition of **SERVICE** through **EXCELLENCE, INTEGRITY,** and **COURTESY**"



Your opinion is very important to us. Please take a few moments to complete a brief survey at the following link: [MSP Forensic Science Division Customer Service Survey](#)

Note: The information in this email and any attachments may be confidential and privileged. If you are not the intended recipient or believe that you received this email in error, please notify the sender immediately. Correspondence referencing a case(s) may be retained as part of the laboratory case record and be subject to Freedom of Information Act requests.

From: [Larrison, Ryan M. \(MSP\)](#)
To: [Larrison, Ryan M. \(MSP\)](#)
Subject: RE: Auto Response
Date: Wednesday, August 31, 2022 9:53:00 AM

I called Jan Girtten immediately at 9:13 a.m. to confirm the delivery and she read it and discussed it with me. She said that she and Mr. Putnam were satisfied at this point with all that was done to date.

From: QualityMatters <qualitymatters@anab.org>
Sent: Wednesday, August 31, 2022 9:13 AM
To: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>
Subject: Auto Response

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Thank you for your email. Resolving your issues and answering questions are a top priority for us. A member of our team will follow up with you as soon as possible. However, if your inquiry needs urgent attention, please contact our offices at 414-501-5494 or visit our [website](#) for individual contact information.

Respectfully,

Caprice

*Caprice Fowler | ANAB
Senior Coordinator, Forensics
ANSI National Accreditation Board
Milwaukee | D.C. | Cary | Fort Wayne
414-501-5375 (direct)
414-501-5494, option 2 (main)
www.anab.org
qualitymatters@anab.org*

From: [Larrison, Ryan M. \(MSP\)](#)
To: [Fillinger, Nicholas \(MSP\)](#)
Subject: RE: cannabinoid validation plan
Date: Tuesday, August 30, 2022 1:01:00 PM
Attachments: [image001.png](#)

Thank you Nick.

From: Fillinger, Nicholas (MSP) <FillingerN@michigan.gov>
Sent: Tuesday, August 30, 2022 10:54 AM
To: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>
Subject: cannabinoid validation plan

Nicholas Fillinger
Toxicology Technical Leader
Michigan State Police
Forensic Science Division
7320 N Canal Rd
Lansing, MI 48913


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From: [Larrison, Ryan M. \(MSP\)](#)
To: [Daniels, Gary \(MSP\)](#); [Nye, Jeffrey V. \(MSP\)](#); [Bowen, John \(MSP\)](#); [Fillinger, Nicholas \(MSP\)](#)
Subject: RE: Prosecuting Attorney Notifications
Date: Thursday, August 25, 2022 8:30:00 AM
Attachments: [CBD-THC Problem.docx](#)

Nick, can you join that meeting?

Gary...I have the write-up I promised you attached.

-----Original Message-----

From: Daniels, Gary (MSP) <DanielsG@michigan.gov>
Sent: Thursday, August 25, 2022 7:18 AM
To: Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>; Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>
Subject: Prosecuting Attorney Notifications

Good morning,

Two scientist in the Toxicology unit have virtual pre-trial meetings/hearings this morning for pending cases. I plan to participate in those meetings; however, I strongly believe the Technical Leader should be present as well due to my limited understanding and technical knowledge of recent issues. I believe the first one is at 8:30 a.m. I also will be in the lab today instead of working remotely.

D/F/Lt. Daniels
Lansing Laboratory Director

Sent from my iPhone

From: [Larrison, Ryan M. \(MSP\)](#)
To: [QualityMatters](#)
Cc: [Putnam, Bradford](#); [Janet Girten](#); [Nye, Jeffrey V. \(MSP\)](#); [Bowen, John \(MSP\)](#); [Hawkins, Christopher \(MSP\)](#)
Subject: Significant Event Notification
Date: Wednesday, August 31, 2022 9:12:00 AM
Attachments: [image001.png](#)
[CJ Partner Notification_08312022JN.pdf](#)

Dear ANAB,

Please accept this email and its attachment as formal notification of the significant quality event in our toxicology unit (CBD to THC conversion) that I previously discussed with Janet verbally. This information will be sent this morning to state of Michigan stakeholders.

Corrective Action has already been initiated for this discovery, and I am proud of the professional, ethical, and immediate response of our staff to it. As mentioned in my discussion with Janet, FSD would still like particular attention given to reviewing this issue and its handling during our November 2022 ANAB Surveillance Visit. We also intend to seek a separate professional review concerning this event so that we might learn even more from it.

Please feel free to contact me to discuss this matter further.

Sincerely,

Inspector Ryan M. Larrison
Quality Assurance Manager
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48910
Office/Cell: [REDACTED]

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From: [Larrison, Ryan M. \(MSP\)](#)
To: [Gill, Greta \(MSP\)](#); [French, Geoffrey \(MSP\)](#)
Subject: Stat Needed This Morning
Date: Friday, August 26, 2022 7:05:54 AM

Good morning you two,

We have a request to see the number of THC only OUID cases that the unit tested since the Farm Bill passed. I believe it was January 1, 2019. I remember Sammy said that she could pull down data like that. Thank you very much and appreciate the help.

Ryan Larrison
Quality Assurance Manager
Forensic Science Division
Michigan State Police
7320 N. Canal Rd
Lansing, MI 48913



STATE OF MICHIGAN
DEPARTMENT OF STATE POLICE
Forensic Science Division

GRETCHEN WHITMER
GOVERNOR

COL. JOSEPH M. GASPER
DIRECTOR

August 24, 2022

To our Criminal Justice Stakeholders throughout Michigan,

On August 19, 2022, the Michigan State Police Forensic Science Division's (MSP FSD) Toxicology Discipline observed a phenomenon with its cannabinoid confirmatory analysis. The observation led to further investigation and the determination that if cannabidiol (CBD) is present in blood samples it is incorrectly identified as tetrahydrocannabinol (THC).

The problem has been traced to a reagent used to prepare the samples for THC detection in a GC/MS instrument; the reagent was confirmed through testing to be unintentionally converting any CBD within the sample to THC. This means that if only CBD was present in a sample, it would be detected and reported as THC. It also means that if both CBD and THC were present in a sample, the CBD would be detected and quantified as THC, with the resulting THC quantification level ending up higher than it truly was.

Our immediate concern is for those who have been accused of operating while under the influence of THC throughout Michigan and the impact that this issue could have on the administration of justice in these cases. **As of August 22, 2022, the cannabinoid confirmatory assay being utilized in the laboratory has been discontinued and a new method is currently being validated.** That validation will comply with ASB Standard 036, *Standard Practices for Method Validation in Forensic Toxicology*.

If you currently have a positive THC report issued by the laboratory, and you do not have other evidence supporting driver impairment (additional psychoactive drugs detected in the sample, erratic driving behavior, results of Standardized Field Sobriety Tests (SFSTs), Drug Recognition Expert (DRE) evaluations, or other indicators of THC), we urge you to strongly consider the alternative explanation that the sample was only positive for CBD. CBD is not generally considered to have psychoactive properties or known impairment issues.

If you have any further questions, please contact a Toxicology Unit Supervisor or the Toxicology Technical Leader (Nicholas Fillinger: [REDACTED], fillingern@michigan.gov).

Sincerely,

Nicholas Fillinger
Toxicology Technical Leader
Michigan State Police Forensic Science Division

From: [Larrison, Ryan M. \(MSP\)](#)
To: [Hawkins, Christopher \(MSP\)](#)
Cc: [Nye, Jeffrey V. \(MSP\)](#)
Subject: Verbal Disclosure to ANAB Accrediting Body
Date: Friday, August 26, 2022 4:42:00 PM
Attachments: [image001.png](#)

Captain,

This email serves to inform you that Mr. Nye and I just disclosed verbally to our ANAB ISO 17025:2017 accreditation Program Manager, Ms. Jan Girtten, that we have identified a significant problem related to THC testing in our toxicology unit and will have a detailed written disclosure for them when it is finalized for release next week.

Inspector Ryan M. Larrison
Quality Assurance Manager
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48910
Office/Cell: [REDACTED] [REDACTED]

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FSD Letterhead

DRAFT – DRAFT – DRAFT

Rev. 8/31/22

August 31, 2022

Criminal Justice Partners:

The Michigan State Police Forensic Science Division (MSP/FSD) is committed to providing the highest standard of forensic services to the criminal justice community. The MSP/FSD is accredited in toxicology and analyzes approximately 20,000 samples annually for the presence of alcohol and/or drugs pursuant to a forensic examination request. The men and women who work in the MSP/FSD strive to provide laboratory testing services that are timely, transparent, and scientifically accurate.

One drug in the unit's scope of analysis is tetrahydrocannabinol (THC). THC is one of more than 100 cannabinoids in the *cannabis sativa* plant and is the primary constituent for the psychoactive properties of marihuana. Cannabidiol (CBD), structurally similar to THC, is one of the many cannabinoids present in the *cannabis sativa* plant that is reported to have no psychoactive properties. Since March 28, 2019, CBD has been legal under Michigan law.

On August 22, 2022, the MSP/FSD halted the processing of samples using the current THC confirmation assay due to a concern that CBD* may be converted to THC during laboratory analysis, which could lead to inaccurate test results. Subsequent quality evaluations and review led to the discovery that the specific laboratory confirmatory method in use by the Toxicology Unit for THC may cause 1) THC to be identified when the sample contains THC, 2) THC to be identified when the sample contains a combination of THC and CBD, or 3) THC to be identified when the sample contains CBD alone.

Analysis of biological samples for the presence of drugs consists of two primary steps: sample preparation and instrumental analysis. One step within the sample preparation method involves the addition of chemicals to stabilize the drugs of interest for subsequent instrumental analysis. Due to the structural similarity between CBD and THC, the stabilizing chemicals may have the unintended consequence of converting CBD to THC.

With this discovery, the MSP/FSD immediately halted the processing of samples using the THC confirmatory method and began working to institute another validated method of testing to ensure accuracy. Most immediately our concern was for the impact this finding may have on active legal proceedings where an individual allegedly used CBD alone and no other intoxicating substances. To mitigate this risk, on August 25, 2022, the laboratory shared the limited information we had with the Prosecuting Attorneys Association of Michigan for dissemination to prosecutors statewide.

After further review, we now believe that cases potentially impacted by this finding include those occurring on or after March 28, 2019, where the alleged violation is based on the finding of THC alone and there is insufficient evidence of impairment, intoxication, or recent use of marihuana to otherwise support the charged offense. The department has identified approximately 3,250 THC confirmed cases during this time period that did not have other drugs within the scope of analysis and/or alcohol detected above the 0.08% legal threshold. The MSP/FSD will be sharing these cases directly with the involved prosecutor as soon as possible so additional review can be done as to the potential impact to these cases.

While the laboratory is not currently confirming the presence of THC in submitted samples, a contract will be established with a private, accredited laboratory for those services. We are also actively validating a new cannabinoid confirmatory method that will include THC. This validation will ensure similar issues with drug interference will not happen in the future. In the interim, police officers should continue to obtain biological samples and submit them as normal to the MSP/FSD. It should also be noted only THC confirmed results are in question and testing for other drugs is continuing within the Toxicology Unit as normal.

**The metabolite of CBD, 7-COOH-CBD (7-carboxy-cannabidiol), may be converted to a metabolite of THC, COOH-THC (carboxy-tetrahydrocannabinol), using the current laboratory method. When referencing CBD conversion to THC throughout this document, it includes those cases in which 7-COOH-CBD may have been converted to COOH-THC.*

Criminal Justice Partners
August 31, 2022
Page 2

The MSP/FSD maintains toxicology blood samples for at least two years from the time the sample is taken. Until further notice, the laboratory will retain all toxicology blood tubes so that future retesting may be conducted, if necessary.

If you currently have a positive THC confirmation report issued by the laboratory, and you do not have other evidence of impairment, such as driving behavior, individual observations, results of Standardized Field Sobriety Tests (SFSTs), Drug Recognition Expert (DRE) evaluations, or other indicators of THC, please consider the alternative explanation that the sample may be positive for CBD alone.

We have already self-reported this matter to our accrediting body, ANAB (ANSI National Accreditation Board), and requested an independent review. It is my hope the actions we have taken in response to this issue demonstrate to you our timely, transparent, and ethical response to an emerging technical issue.

Sincerely,

Jeffrey Nye, Director
Forensic Science Division
Michigan State Police

FSD Letterhead

DRAFT – DRAFT – DRAFT

August 29, 2022

Criminal Justice Partners:

The Michigan State Police Forensic Science Division's (MSP/FSD) Toxicology Unit analyzes approximately 20,000 samples annually for the presence of alcohol and/or drugs pursuant to a forensic examination request. One drug in the unit's scope of analysis is tetrahydrocannabinol (THC). THC is one of more than 100 cannabinoids in the *cannabis sativa* plant and is the primary constituent for the psychoactive properties of marihuana. Cannabidiol (CBD), structurally similar to THC, is one of the many cannabinoids present in the *cannabis sativa* plant that is reported to have no psychoactive properties.

On August 22, the MSP/FSD halted the processing of samples using the current THC confirmation assay due to a concern that CBD may be converted to THC during laboratory analysis. This issue came to our attention when a customer questioned a THC confirmation finding. Subsequent quality evaluations and a review of literature led to the discovery that the specific laboratory confirmatory method in use by the Toxicology Unit for THC may cause THC to be identified when the sample contains THC, when it contains a combination of THC and CBD, or when it contains CBD alone. Since March 28, 2019, CBD has been legal under Michigan law.

With this discovery, the MSP/FSD immediately halted the processing of samples using the THC confirmatory method and began working to institute another validated method of testing to ensure accuracy. Most immediately our concern was for the impact this finding may have on active legal proceedings where an individual used CBD alone and no other intoxicating substance. To mitigate this risk, on August 25, the laboratory shared the limited information we had with the Prosecuting Attorneys Association of Michigan for dissemination to prosecutors statewide.

After further research, we now believe that cases potentially impacted by this finding include those occurring on or after March 28, 2019, where the alleged violation is based on the finding of THC alone and there is insufficient evidence of impairment, intoxication, or recent use of marihuana to otherwise support the charged offense. Since March 28, 2019, laboratory data indicates approximately ### number of laboratory reports were issued with a THC confirmatory result. Further evaluation indicates approximately ### of these THC confirmed cases did not have other drugs within the scope of analysis and/or alcohol detected above the 0.08% legal threshold. The MSP/FSD will be sharing this smaller subset of THC confirmed cases directly with the involved prosecutor as soon as possible so additional research can be done as to the potential impact to these cases.

While the laboratory is not currently confirming the presence of THC in submitted samples, a contract will be established with a private, accredited laboratory for those services. We are also actively validating a new cannabinoid confirmatory method that will include THC. This validation will comply with American Standards Board (ASB) Standard 036, *Standard Practices for Method Validation in Forensic Toxicology*, which should ensure that similar issues with drug interference will not happen in the future. In the interim, police officers should continue to obtain biological samples and submit them as normal to the MSP/FSD. It should also be noted that only THC confirmed results are in question and testing for other drugs is continuing within the Toxicology Unit as normal.

The MSP/FSD maintains toxicology blood samples for at least 2 years prior to destruction. Until further notice, the laboratory will retain all toxicology blood tubes so that future retesting may be conducted, if necessary.

Criminal Justice Partners
August 29, 2020
Page 2

If you currently have a positive THC confirmation report issued by the laboratory, and you do not have other evidence of impairment, such as driving behavior, individual observations, results of Standardized Field Sobriety Tests (SFSTs), Drug Recognition Expert (DRE) evaluations, or other indicators of THC, please consider the alternative explanation that the sample may be positive for CBD.

The MSP/FSD remains committed to providing the highest standard of forensic services to the criminal justice community. We have already self-reported this matter to our accrediting body, ANAB (ANSI National Accreditation Board) and requested an independent review. It is my hope that the actions we have taken in response to this issue demonstrate to you our timely, transparent, and ethical response to an emerging technical issue.

Sincerely,

Jeffrey Nye, Director
Forensic Science Division
Michigan State Police

FSD Letterhead

DRAFT – DRAFT – DRAFT

August 29, 2022

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On August 22, the MSP/FSD halted the processing of ~~THC blood~~ samples using the current THC confirmation assay due to a concern that CBD may be ~~being~~ converted to THC during laboratory analysis. This issue came to our attention when a customer questioned a THC confirmation finding. Subsequent quality evaluations and a review of literature led to the discovery that the specific laboratory confirmatory method in use by the Toxicology Unit for ~~screening for~~ THC may cause THC to be identified when the ~~blood~~ sample contains THC, when it contains a combination of THC and CBD, or when it contains CBD alone. Since March 28, 2019, CBD has been legal under Michigan law.

With this discovery, the MSP/FSD immediately halted the processing of ~~THC blood~~ samples using the THC confirmatory method and began working to institute another validated method of testing to ensure accuracy. Most immediately our concern was for the impact this finding may have on active legal proceedings where an individual used CBD alone and no other intoxicating substance. To mitigate this risk, on August 25, the laboratory shared the limited information we had with the Prosecuting Attorneys Association of Michigan for dissemination to prosecutors statewide.

After further research, we now believe that cases potentially impacted by this finding include those occurring on or after March 28, 2019, where the alleged violation is based on the finding of THC alone and or marihuana in the suspect's blood there is and there is insufficient evidence of impairment, intoxication, or recent use of marihuana to otherwise support the charged offense. Since March 28, 2019, laboratory data indicates approximately ### number of laboratory reports were issued with a THC confirmatory result. Further evaluation indicates approximately ### of these THC confirmed cases did not have other drugs within the scope of analysis and/or alcohol detected above the 0.08% legal threshold. The MSP/FSD will be sharing this smaller sub-set of THC confirmed cases directly with the involved prosecutor as soon as possible so additional research can be done as to the potential impact to these cases.

While the laboratory is not currently confirming the presence of THC in submitted ~~blood~~ samples, a contract will be established with a private, accredited laboratory for those services. We are also actively validating a new cannabinoid confirmatory method that will include THC. This validation will comply with American Standards Board (ASB) Standard 036, *Standard Practices for Method Validation in Forensic Toxicology*, which should ensure that similar issues with drug interference will not happen in the future. In the interim, police officers should continue to obtain biological blood samples and submit them as normal to the MSP/FSD. It should also be noted that only THC confirmed results are in question and testing for other drugs is continuing within the Toxicology Unit as normal.

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If you currently have a positive THC confirmation report issued by the laboratory, and you do not have other evidence of impairment, such as driving behavior, individual observations, results of Standardized Field Sobriety Tests (SFSTs), Drug Recognition Expert (DRE) evaluations, or other indicators of THC, please consider the alternative explanation that the sample may be ~~was~~ positive for CBD.

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Sincerely,

Jeffrey Nye, Director
Forensic Science Division
Michigan State Police



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF STATE POLICE
FORENSIC SCIENCE DIVISION

COL. JOSEPH M. GASPER
DIRECTOR

August 31, 2022

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One drug in the unit's scope of analysis is tetrahydrocannabinol (THC). THC is one of more than 100 cannabinoids in the *cannabis sativa* plant and is the primary constituent for the psychoactive properties of marijuana. Cannabidiol (CBD), structurally similar to THC, is one of the many cannabinoids present in the *cannabis sativa* plant that is reported to have no psychoactive properties. Since March 28, 2019, CBD has been legal under Michigan law.

On August 22, 2022, the MSP/FSD halted the processing of samples using the current THC confirmation assay due to a concern that CBD* may be converted to THC during laboratory analysis, which could lead to inaccurate test results. Subsequent quality evaluations and review led to the discovery that the specific laboratory confirmatory method in use by the Toxicology Unit for THC may cause 1) THC to be identified when the sample contains THC, 2) THC to be identified when the sample contains a combination of THC and CBD, or 3) THC to be identified when the sample contains CBD alone.

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After further review, we now believe that cases potentially impacted by this finding include those occurring on or after March 28, 2019, where the alleged violation is based on the finding of THC alone and there is insufficient evidence of impairment, intoxication, or recent use of marijuana to otherwise support the charged offense. The department has identified approximately 3,250 THC confirmed cases during this time period that did not have other drugs within the scope of analysis and/or alcohol detected above the 0.08% legal threshold. The MSP/FSD will be sharing these cases directly with the involved prosecutor as soon as possible so additional review can be done as to the potential impact to these cases.

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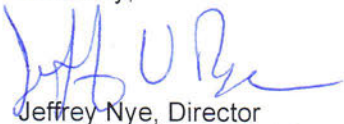
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Sincerely,



Jeffrey Nye, Director
Forensic Science Division
Michigan State Police

STATE OF MICHIGAN 74th JUDICIAL DISTRICT District JUDICIAL CIRCUIT Court COUNTY PROBATE	SUBPOENA Order to Appear and/or Produce	CASE NO. 20-31353-SD-1
Court address 1230 Washington, Bay City, MI 48708		Court telephone no. (989) 895-4232
Police Report No. (if applicable):		
Plaintiff(s)/Petitioner(s) <input checked="" type="checkbox"/> People of the State of Michigan <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> Civil <input checked="" type="checkbox"/> Criminal	v	Defendant(s)/Respondent(s) <div style="background-color: black; width: 40px; height: 20px; margin: 5px;"></div> <div style="background-color: black; width: 40px; height: 20px; margin: 5px;"></div> Charge OUID
<input type="checkbox"/> Probate In the matter of _____		

In the Name of the People of the State of Michigan. TO:
 Nicholas Fillinger, MSP Crime Lab, fillingern@michigan.gov

If you require special accommodations to use the court because of disabilities, please contact the court immediately to make arrangements.

YOU ARE ORDERED TO:

☒ 1. Appear personally at the time and place stated below: You may be required to appear from time to time and day to day until excused.

☒ The court address above ☒ Other:

Day Wednesday	Date August 31, 2022	Time 2:00PM
------------------	-------------------------	----------------

☒ 2. Testify at trial / examination / hearing.

☒ 3. Produce/permit inspection or copying of the following items: Documents regarding MSP Lab notice to prosecutors about an issue with the toxicology screens for blood tests for marijuana results. To wit, documents stating the MSP lab test for blood is unable to distinguish between THC and CBD, the origin of the THC, and if the THC is a controlled substance.

☐ 4. Testify as to your assets, and bring with you the items listed in line 3 above.

☐ 5. Testify at deposition.

☐ 6. Abide by the attached prohibition against transferring or disposing of property. (MCL 600.6104(2), 600.6116, or 600.6119.)

☐ 7. Other: _____

<input checked="" type="checkbox"/> 8.	Person requesting subpoena Michael A. Komorn	Telephone no. (248) 357-2550
	Address 30903 Northwestern Hwy., Suite 240	
	City Farmington Hills, MI 48334	State Zip

NOTE: If requesting a debtor's examination under MCL 600.6110, or an injunction under item 6, this subpoena must be issued by a judge. For a debtor examination, the affidavit of debtor examination on the other side of this form must also be completed. Debtor's assets can also be discovered through MCR 2.305 without the need for an affidavit of debtor examination or issuance of this subpoena by a judge.

FAILURE TO OBEY THE COMMANDS OF THE SUBPOENA OR TO APPEAR AT THE STATED TIME AND PLACE MAY SUBJECT YOU TO PENALTY FOR CONTEMPT OF COURT.

August 25, 2022

Michael A. Komorn
 Judge/Clerk/Attorney

P47970
 Bar no.

Court use only	
<input type="checkbox"/> Served	<input type="checkbox"/> Not served

Wilson, Jennifer (MSP)

From: Nye, Jeffrey V. (MSP)
Sent: Thursday, September 1, 2022 5:04 PM
To: Wilson, Jennifer (MSP); Daniels, Gary (MSP); Bowen, John (MSP)
Cc: Larrison, Ryan M. (MSP)
Subject: RE: DRAFT prosecutor letter

Sounds good to me. I'll run it up the chain and see if we can get an approval on this so you guys can start producing. Likely, it'll be early next week.

Thanks again. Have a good holiday weekend.

Jeff

From: Wilson, Jennifer (MSP) <WilsonJ25@michigan.gov>
Sent: Thursday, September 1, 2022 4:36 PM
To: Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>; Daniels, Gary (MSP) <DanielsG@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>
Cc: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>
Subject: RE: DRAFT prosecutor letter

Hi Jeff,

I made some edits to the letter as an option to consider:

Dear Prosecutor's Name:

This letter is to inform you of a recent internal review of the Forensic Science Division's Toxicology THC confirmatory procedure and the subsequent reports that were issued with positive THC results. The time frame encompassed by this review dates back to March 28th, 2019, when CBD became legal under Michigan law. It was recently determined that toxicology THC results may be the result of THC only, both THC and CBD, or CBD alone. A review of laboratory information indicates the attached cases have a reported THC and/or THC-COOH value. These cases also have no other drugs reported from our toxicology screening assay and alcohol not detected or less than the 0.08% per se threshold, making the THC reported result the only positive result.

If you feel that you have received this letter in error or have further question, please contact Mr. Geoffrey French, Lab Manager, at [REDACTED] or Ms. Greta Gill, Lab Manager, at [REDACTED].

Jennifer Wilson
Assistant Laboratory Director
Forensic Science Division
Michigan State Police
7320 N. Canal Rd.
Lansing, MI 48913
TX: [REDACTED]

From: Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>

Sent: Wednesday, August 31, 2022 2:39 PM

To: Daniels, Gary (MSP) <DanielsG@michigan.gov>; Wilson, Jennifer (MSP) <WilsonJ25@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>

Cc: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>

Subject: DRAFT prosecutor letter

Just trying to get a version started so that people can put their comments/improvements in place:

Dear *Prosecutor's Name*:

This letter is to inform you of an internal review of toxicology reports that have a reported THC result since March 28th, 2019, when CBD became legal under Michigan law. It was determined that toxicology THC results may be the result of THC, THC and CBD, or CBD alone. A review of laboratory information indicates the attached cases have a reported THC value and have no other drugs reported from our toxicology screening assay and alcohol less than the 0.08% threshold.

If you feel that you have received this letter in error or have further question, please contact Mr. Geoffrey French, Lab Manager, at [REDACTED] or Ms. Greta Gill, Lab Manager, at [REDACTED]

Sincerely...

Jeffrey V. Nye
Director
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48913
CELL: [REDACTED]

"A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY"



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Wilson, Jennifer (MSP)

From: Nye, Jeffrey V. (MSP)
Sent: Saturday, August 27, 2022 5:50 PM
To: Clark, Beth (MSP); Kelenske, Chris (MSP)
Subject: ADVISORY COMMUNICATION: DRAFT Communication Docs
Attachments: CJ stakeholder letter NYE 08272020.pdf; Official Statement_082922.pdf

Attached. The last paragraph of the Official Statement will be replaced with the following statement:

The MSP/FSD remains committed to providing the highest standard of forensic services to the criminal justice community. We have demonstrated this commitment through accreditation to ISO/IEC 17025 International Standards and voluntarily incorporating forensic standards from the National Institute of Standards and Technology (NIST) Organization of Scientific Area Committees (OSAC) into our laboratory management system, among other efforts. MSP/FSD continues to be timely, transparent, and ethical in our response to this emerging technical issue.

Jeff

Jeffrey V. Nye
Director
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48913
CELL: [REDACTED]

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Wilson, Jennifer (MSP)

From: Wilson, Jennifer (MSP)
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To: Nye, Jeffrey V. (MSP); Daniels, Gary (MSP); Bowen, John (MSP)
Cc: Larrison, Ryan M. (MSP)
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Jennifer Wilson
Assistant Laboratory Director
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Cc: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>
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Jeffrey V. Nye
Director
Forensic Science Division
Michigan State Police
7320 N. Canal Road
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Wilson, Jennifer (MSP)

From: Nye, Jeffrey V. (MSP)
Sent: Thursday, September 1, 2022 11:48 AM
To: Bond, Kristine (MSP)
Cc: Brimacombe, Aimee (MSP)
Subject: RE: Legal Hold Notice
Attachments: Preservation Questionnaire_FSD.docx

Kristine

Please find attached completed questionnaire. I will be sending an email out to each included individual simply communicating the legal hold on documents.

Jeff

From: Bond, Kristine (MSP) <BondK1@michigan.gov>
Sent: Thursday, September 1, 2022 10:50 AM
To: Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>
Cc: Brimacombe, Aimee (MSP) <BrimacombeA@michigan.gov>
Subject: Legal Hold Notice

Mr. Nye,

Please find attached the Legal Hold Notice from the Attorney General's Office and along with their questionnaire. Can you please have the questionnaire completed on behalf of the Forensic Science Division and ensure that a legal hold is placed on all potential evidence referenced in the Legal Hold Notice. The completed questionnaire should be returned to me within the next week if possible. Please call with any questions.

Also, If you know of anyone else that should receive this notice, please let me know so I may notify them.

Thank you,
Kristine

Kristine Bond
Litigation Coordinator
Risk Management Section
Transparency and Accountability Division
Michigan State Police
7150 Harris Drive
Dimondale, Michigan 48821
TX: (517) 284-3234
Cell: [REDACTED]

Wilson, Jennifer (MSP)

From: Nye, Jeffrey V. (MSP)
Sent: Wednesday, August 31, 2022 2:39 PM
To: Daniels, Gary (MSP); Wilson, Jennifer (MSP); Bowen, John (MSP)
Cc: Larrison, Ryan M. (MSP)
Subject: DRAFT prosecutor letter

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Sincerely...

Jeffrey V. Nye
Director
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48913
CELL: [REDACTED]

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Wilson, Jennifer (MSP)

From: QualityMatters <qualitymatters@anab.org>
Sent: Wednesday, August 31, 2022 11:54 AM
To: Larrison, Ryan M. (MSP)
Cc: Janet Girten; Nye, Jeffrey V. (MSP); Bowen, John (MSP); Hawkins, Christopher (MSP)
Subject: 220831-MISP-FSD - CBD to THC Conversion-notif_ack
Attachments: CJ Partner Notification_08312022JN.pdf

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Dear Ryan,

Thank you for the email and accompanying attachment submitted to "Quality Matters" on August 31, 2022, in which ANAB was notified of this disclosure.

This disclosure will be reviewed. If updates are deemed necessary, you will be informed of the update frequency and required information. If no updates are required, the actions taken related to this disclosure are subject to review during your next regularly scheduled assessment activity.

Questions regarding ANAB's approach to self-reported disclosures of significant events and nonconformities may be directed to at qualitymatters@anab.org.

Thank you very much for your ongoing compliance with the obligations of an accredited forensic service provider.

Best regards,

Mary Kiella | ANAB
Coordinator, Forensics

ANSI National Accreditation Board
Milwaukee | D.C. | Cary | Fort Wayne
Tel: [REDACTED] | mkiella@anab.org
www.anab.org
ANAB Training - www.anab.org/training



From: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>
Sent: Wednesday, August 31, 2022 9:12 AM
To: QualityMatters <qualitymatters@anab.org>
Cc: Putnam, Bradford <bputnam@anab.org>; Janet Girten <jgirten@anab.org>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>; Bowen, John (MSP) <BowenJ1@michigan.gov>; Hawkins, Christopher (MSP)

<HawkinsC1@michigan.gov>

Subject: Significant Event Notification

Dear ANAB,

Please accept this email and its attachment as formal notification of the significant quality event in our toxicology unit (CBD to THC conversion) that I previously discussed with Janet verbally. This information will be sent this morning to state of Michigan stakeholders.

Corrective Action has already been initiated for this discovery, and I am proud of the professional, ethical, and immediate response of our staff to it. As mentioned in my discussion with Janet, FSD would still like particular attention given to reviewing this issue and its handling during our November 2022 ANAB Surveillance Visit. We also intend to seek a separate professional review concerning this event so that we might learn even more from it.

Please feel free to contact me to discuss this matter further.

Sincerely,

Inspector Ryan M. Larrison
Quality Assurance Manager
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48910
Office/Cell: [REDACTED]

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Wilson, Jennifer (MSP)

From: Nye, Jeffrey V. (MSP)
Sent: Wednesday, August 31, 2022 9:41 AM
To: Peterson, Jay (MSP); Daniels, Gary (MSP); Wilson, Jennifer (MSP); Hall, Glen (MSP); Morden, Charles (MSP); Lamont, Keith (MSP); Lucey, John (MSP); Welch, Jason J. (MSP)
Cc: Bowen, John (MSP); Larrison, Ryan M. (MSP)
Subject: CJ Notification-Toxicology
Attachments: CJ Partner Notification_08312022JN.pdf

The attached letter has been provided to PAAM, SADO, MDIC, CDAM, MSA and MACP as of ten minutes ago.

Clarification for messaging. If you receive a media inquiry, simply refer them to MSP Public Affairs. If you receive a question regarding a specific case, refer the caller to the scientist that issued the report. If you receive a call from a stakeholder asking general technical questions about the issue, please forward those to Nick Fillinger.

Please let me know if you have questions or need clarification.

Jeff

Jeffrey V. Nye
Director
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48913
CELL: [REDACTED]

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Wilson, Jennifer (MSP)

From: Nye, Jeffrey V. (MSP)
Sent: Wednesday, August 31, 2022 9:41 AM
To: Clark, Beth (MSP); Kelenske, Chris (MSP)
Subject: FYSA-CJ Notification
Attachments: CJ Partner Notification_08312022JN.pdf

Jeffrey V. Nye
Director
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48913
CELL: [REDACTED]

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Wilson, Jennifer (MSP)

From: Nye, Jeffrey V. (MSP)
Sent: Wednesday, August 31, 2022 9:35 AM
To: Nye, Jeffrey V. (MSP)
Subject: CJ Partner Notification-MSP FSD Toxicology Unit
Attachments: CJ Partner Notification_08312022JN.pdf

Criminal Justice Partners

On August 22, 2022, the MSP Forensic Science Division (FSD) Toxicology Unit suspended temporarily the confirmatory testing of blood and urine samples for tetrahydrocannabinol (THC) due to a concern that cannabidiol (CBD) may be converted to THC during laboratory analysis. Notice of this issue is provided to criminal justice stakeholders in the attached letter that includes more details about the issue and the action steps being taken by the FSD to remedy the matter. I ask that you please share this correspondence with your members.

Jeffrey V. Nye
Director
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48913
CELL: [REDACTED]

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CELL: [REDACTED]

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Wilson, Jennifer (MSP)

From: Nye, Jeffrey V. (MSP)
Sent: Wednesday, August 31, 2022 9:16 AM
To: Fillinger, Nicholas (MSP)
Subject: FW: Stakeholder notification-08-31-2022
Attachments: CJ Partner Notification_08312022JN.pdf

FYSA

From: Nye, Jeffrey V. (MSP)
Sent: Wednesday, August 31, 2022 9:02 AM
To: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>
Cc: Bowen, John (MSP) <BowenJ1@michigan.gov>
Subject: Stakeholder notification-08-31-2022

Attached for ANAB.

Jeff

Jeffrey V. Nye
Director
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48913
CELL: [REDACTED]

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Wilson, Jennifer (MSP)

From: Larrison, Ryan M. (MSP)
Sent: Wednesday, August 31, 2022 9:12 AM
To: QualityMatters
Cc: Putnam, Bradford; Janet Girten; Nye, Jeffrey V. (MSP); Bowen, John (MSP); Hawkins, Christopher (MSP)
Subject: Significant Event Notification
Attachments: CJ Partner Notification_08312022JN.pdf

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Sincerely,

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Quality Assurance Manager
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48910
Office/Cell: () -

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Wilson, Jennifer (MSP)

From: Banner, Shanon (MSP)
Sent: Wednesday, August 31, 2022 9:04 AM
To: Nye, Jeffrey V. (MSP)
Subject: RE: Final

I would do the BCC so they can't reply to each other.

From: Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>
Sent: Wednesday, August 31, 2022 9:04 AM
To: Banner, Shanon (MSP) <BannerS@michigan.gov>
Subject: RE: Final

One final question. Should I put everyone being contacted as a TO: or as a BC:? I have no preference either way.

From: Banner, Shanon (MSP) <BannerS@michigan.gov>
Sent: Wednesday, August 31, 2022 9:00 AM
To: Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>
Subject: RE: Final

Letter looks good. This is some of the language I am using in the memo to our members (revised slightly). I think you could use this in your email to stakeholders.

On August 22, 2022, the MSP Toxicology Unit suspended temporarily the screening of blood and urine samples for tetrahydrocannabinol (THC) due to a concern that cannabidiol (CBD) may be converted to THC during laboratory analysis. Notice of this issue is provided to criminal justice stakeholders in the attached letter that includes more details about the issue and the action steps being taken by the Forensic Science Division to remedy the matter. I ask that you please share this correspondence with your members.

From: Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>
Sent: Wednesday, August 31, 2022 8:53 AM
To: Banner, Shanon (MSP) <BannerS@michigan.gov>
Subject: Final

One last final check and then I'll get it emailed to ANAB, followed by our partners.

Jeffrey V. Nye
Director
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48913
CELL: [REDACTED]

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Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48913
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Cc: Bowen, John (MSP)
Subject: Stakeholder notification-08-31-2022
Attachments: CJ Partner Notification_08312022JN.pdf

Attached for ANAB.

Jeff

Jeffrey V. Nye
Director
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48913
CELL: [REDACTED]

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Wilson, Jennifer (MSP)

From: Banner, Shanon (MSP)
Sent: Wednesday, August 31, 2022 9:00 AM
To: Nye, Jeffrey V. (MSP)
Subject: RE: Final

Letter looks good. This is some of the language I am using in the memo to our members (revised slightly). I think you could use this in your email to stakeholders.

On August 22, 2022, the MSP Toxicology Unit suspended temporarily the screening of blood and urine samples for tetrahydrocannabinol (THC) due to a concern that cannabidiol (CBD) may be converted to THC during laboratory analysis. Notice of this issue is provided to criminal justice stakeholders in the attached letter that includes more details about the issue and the action steps being taken by the Forensic Science Division to remedy the matter. I ask that you please share this correspondence with your members.

From: Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>
Sent: Wednesday, August 31, 2022 8:53 AM
To: Banner, Shanon (MSP) <BannerS@michigan.gov>
Subject: Final

One last final check and then I'll get it emailed to ANAB, followed by our partners.

Jeffrey V. Nye
Director
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48913
CELL: [REDACTED]

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Wilson, Jennifer (MSP)

From: Nye, Jeffrey V. (MSP)
Sent: Wednesday, August 31, 2022 8:53 AM
To: Banner, Shanon (MSP)
Subject: Final
Attachments: CJ Partner Notification_08312022JN.pdf

One last final check and then I'll get it emailed to ANAB, followed by our partners.

Jeffrey V. Nye
Director
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48913
CELL: [REDACTED]

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Wilson, Jennifer (MSP)

From: Lehman, George (MSP)
Sent: Wednesday, August 31, 2022 8:48 AM
To: Nye, Jeffrey V. (MSP)
Subject: Scanned Item
Attachments: IMG.pdf

D/Sgt. George Lehman
Forensic Document Examiner / D-ABFDE
Trace/Questioned Document Unit
Forensic Science Division
Michigan State Police
Lansing Laboratory
7320 North Canal Rd.
Lansing, MI 48913
TX: [REDACTED]

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Wilson, Jennifer (MSP)

From: Strauch, Linda (MSP)
Sent: Wednesday, August 31, 2022 8:12 AM
To: Nye, Jeffrey V. (MSP)
Subject: RE: Final doc
Attachments: Stakeholder Letter FINAL - LS 1.doc; Stakeholder Letter FINAL - LS 2.doc

Herer you go.

The footnote wouldn't fit on page 1 with our division and address information the way it is placed in the draft.

So I gave you two versions to choose from.

LS 1 has the footnote on page 1 with the last paragraph on page 1 moved to page 2, and LS 2 has it on page 2.

Let me know if you'd like anything done differently.

Linda

Linda J. Strauch
Executive Secretary
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48913
TX: 517-284-3495
CELL: [REDACTED]

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From: Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>
Sent: Wednesday, August 31, 2022 7:06 AM
To: Strauch, Linda (MSP) <StrauchL@michigan.gov>
Subject: Final doc
Importance: High

We have a final document. Could you please put on FSD letterhead and email it back to me? I'm heading into the office shortly. I will be printing the final document from you, signing and then sending it out to stakeholders.

Jeff

Jeffrey V. Nye
Director
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48913
CELL: [REDACTED]

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Wilson, Jennifer (MSP)

From: Nye, Jeffrey V. (MSP)
Sent: Wednesday, August 31, 2022 7:06 AM
To: Strauch, Linda (MSP)
Subject: Final doc
Attachments: CJ stakeholder letter FINAL.docx

Importance: High

We have a final document. Could you please put on FSD letterhead and email it back to me? I'm heading into the office shortly. I will be printing the final document from you, signing and then sending it out to stakeholders.

Jeff

Jeffrey V. Nye
Director
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48913
CELL: [REDACTED]

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Wilson, Jennifer (MSP)

From: Banner, Shanon (MSP)
Sent: Tuesday, August 30, 2022 8:27 PM
To: Hawkins, Christopher (MSP); Nye, Jeffrey V. (MSP)
Cc: Gasper, Joe (MSP)
Subject: Final drafts - please review for accuracy
Attachments: CJ stakeholder letter.docx; Official Statement_083122.doc

Importance: High

Good evening Chris and Jeff,

The attached letter and statement should be the final versions incorporating all the feedback we have received. I ask that you please review these and make sure you are comfortable and don't see any issues.

If the letter is good to go, Jeff can get it formatted, signed, and sent out in the morning to the previously identified groups. I would like to receive the final version of the letter and be notified once it has gone out so I can post our memo internally, which will hyperlink to the letter.

For the statement, the current plan is to provide it to reporters who have asked for updates and to post it on the news section of our website for future reference. I will do this late morning, after the letter has been disseminated.

Please let me know if you have any questions or concerns.

Thank you,
Shanon

Shanon Banner
Manager, Public Affairs Section
Michigan State Police
[REDACTED] cell

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Wilson, Jennifer (MSP)

From: Banner, Shanon (MSP)
Sent: Tuesday, August 30, 2022 10:50 AM
To: Hawkins, Christopher (MSP); Nye, Jeffrey V. (MSP)
Subject: ADVISORY COMMUNICATION - Updated public statement
Attachments: Official Statement_083022.doc

Importance: High

Good morning,

Attached is an updated official statement that incorporates some changes we received last night. Please review and let me know if you have any concerns.

Jeff: I have highlighted one sentence in yellow that I was concerned may not be accurate.

I've left the tracked changes on this document so you can see what was changed from the previous draft.

Thank you,
Shanon

Shanon Banner
Manager, Public Affairs Section
Michigan State Police

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Wilson, Jennifer (MSP)

From: Nye, Jeffrey V. (MSP)
Sent: Monday, August 29, 2022 11:32 AM
To: Hawkins, Christopher (MSP); Jamison, Eric (AG)
Subject: FW: Articles
Attachments: Journal Analytical Tox 2012.pdf; 2019- Hart- Cannabinoid Metabolites Pose Analytical Challenges in Urine Drug Testing Laboratories.pdf

FYI

I have not personally read them, yet.

Jeff

From: Larrison, Ryan M. (MSP) <LarrisonR@michigan.gov>
Sent: Monday, August 29, 2022 11:06 AM
To: Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>
Subject: Articles

Inspector Ryan M. Larrison
Quality Assurance Manager
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48910
Office/Cell: [REDACTED]

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Wilson, Jennifer (MSP)

From: Larrison, Ryan M. (MSP)
Sent: Monday, August 29, 2022 11:06 AM
To: Nye, Jeffrey V. (MSP)
Subject: Articles
Attachments: Journal Analytical Tox 2012.pdf; 2019- Hart- Cannabinoid Metabolites Pose Analytical Challenges in Urine Drug Testing Laboratories.pdf

Inspector Ryan M. Larrison
Quality Assurance Manager
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48910
Office/Cell: [REDACTED]

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Wilson, Jennifer (MSP)

From: McGivney, Jessica (AG)
Sent: Monday, August 29, 2022 9:34 AM
To: Hawkins, Christopher (MSP); Banner, Shanon (MSP); Nye, Jeffrey V. (MSP)
Cc: Jamison, Eric (AG)
Subject: Comments - Privileged Attorney-Client Communication - do not disclose in response to FOIA, Discovery or Subpoenas
Attachments: CJ stakeholder letter emj_ (003)(jm 8.28.2022).docx; Official Statement_082922 emj (jm 8.28.2022).doc; Backgrounder -comments (jm 8.28.2022).docx

Privileged Attorney-Client Communication

Good morning –

As discussed, attached please find the drafts with our comments.

Thanks,
Jessica

Wilson, Jennifer (MSP)

From: Banner, Shanon (MSP)
Sent: Monday, August 29, 2022 8:59 AM
To: Hawkins, Christopher (MSP); Nye, Jeffrey V. (MSP)
Subject: Advisory communication - CJ stakeholder letter
Attachments: CJ stakeholder letter.docx

Updated footnote.

Wilson, Jennifer (MSP)

From: Banner, Shanon (MSP)
Sent: Sunday, August 28, 2022 3:37 PM
To: Hawkins, Christopher (MSP)
Cc: Nye, Jeffrey V. (MSP); Beatty, Steven (MSP)
Subject: Advisory Communication - updated draft documents
Attachments: Official Statement_082922.doc; CJ stakeholder letter.docx; Backgrounder.docx

Captain Hawkins,

The public statement, stakeholder letter, and backgrounder have been updated to include case counts. Additionally, a footnote was added to the letter to account for CBD metabolites.

--Shanon

Shanon Banner
Manager, Public Affairs Section
Michigan State Police

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Wilson, Jennifer (MSP)

From: Nye, Jeffrey V. (MSP)
Sent: Saturday, August 27, 2022 5:50 PM
To: Clark, Beth (MSP); Kelenske, Chris (MSP)
Subject: ADVISORY COMMUNICATION: DRAFT Communication Docs
Attachments: CJ stakeholder letter NYE 08272020.pdf; Official Statement_082922.pdf

Attached. The last paragraph of the Official Statement will be replaced with the following statement:

The MSP/FSD remains committed to providing the highest standard of forensic services to the criminal justice community. We have demonstrated this commitment through accreditation to ISO/IEC 17025 International Standards and voluntarily incorporating forensic standards from the National Institute of Standards and Technology (NIST) Organization of Scientific Area Committees (OSAC) into our laboratory management system, among other efforts. MSP/FSD continues to be timely, transparent, and ethical in our response to this emerging technical issue.

Jeff

Jeffrey V. Nye
Director
Forensic Science Division
Michigan State Police
7320 N. Canal Road
Lansing, MI 48913
CELL: [REDACTED]

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Wilson, Jennifer (MSP)

From: Banner, Shanon (MSP)
Sent: Saturday, August 27, 2022 1:33 PM
To: Nye, Jeffrey V. (MSP); Beatty, Steven (MSP)
Subject: Advisory communication - DRAFT public statement
Attachments: Official Statement_082922.doc

Importance: High

Hi Steve and Jeff,

Attached for your review and feedback is an official statement that would be disseminated to media statewide, following release of our stakeholder letter.

Again, I welcome your edits and additions. I just ask that you use tracked changes.

Thank you,
Shanon

Shanon Banner
Manager, Public Affairs Section
Michigan State Police

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Wilson, Jennifer (MSP)

From: Nye, Jeffrey V. (MSP)
Sent: Saturday, August 27, 2022 10:59 AM
To: Banner, Shanon (MSP); Beatty, Steven (MSP)
Subject: RE: Advisory Communication - DRAFT letter to stakeholders
Attachments: CJ stakeholder letter NYE 08272020.docx

Thank you! Attached are my edits. Let me know if you have questions.

Jeff

From: Banner, Shanon (MSP) <BannerS@michigan.gov>
Sent: Saturday, August 27, 2022 9:19 AM
To: Beatty, Steven (MSP) <BeattyS@michigan.gov>; Nye, Jeffrey V. (MSP) <NyeJ1@michigan.gov>
Subject: Advisory Communication - DRAFT letter to stakeholders
Importance: High

Good morning Jeff and Steve,

Attached for your review and input is the letter to our criminal justice stakeholders. Please review for accuracy, making any additions or changes in tracked changes. I did take a few liberties to add in some additional information.

Once I receive your feedback and changes, I will use it as I begin to work on the news release.

Thank you,
Shanon

Shanon Banner
Manager, Public Affairs Section
Michigan State Police

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Wilson, Jennifer (MSP)

From: Banner, Shanon (MSP)
Sent: Saturday, August 27, 2022 9:19 AM
To: Beatty, Steven (MSP); Nye, Jeffrey V. (MSP)
Subject: Advisory Communication - DRAFT letter to stakeholders
Attachments: CJ stakeholder letter.docx

Importance: High

Good morning Jeff and Steve,

Attached for your review and input is the letter to our criminal justice stakeholders. Please review for accuracy, making any additions or changes in tracked changes. I did take a few liberties to add in some additional information.

Once I receive your feedback and changes, I will use it as I begin to work on the news release.

Thank you,
Shanon

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Manager, Public Affairs Section
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